SEQUENCE LISTING

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  Radoje T. Drmanac

<120>Novel Contigs Obtained
  From Various Libraries

<130> 21272-006

<140>US 09/488,725
<141> 2000-01-21

<150>US 09/004,182
<151>1998-01-07

<150>US 09/034,341
<151>1998-02-13

<150>US 09/045,400
<151>1998-03-20

<150>US 09/321,214
<151>1999-05-26

<150>US 09/131,598
<151>1998-08-10

<150>US 09/170,294
<151>1998-10-13

<150>US 09/179,473
<151>1998-10-27

<150>US 09/181,430
<151>1998-10-28

<150>US 09/235,076
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<150>US 09/234,611
<151>1999-01-22

<150>09/210,298
<151>1998-12-09

<150>09/221,820
<151>1998-12-30

<150>US 09/240,371

<151>1999-01-29

<150>09/248,797
<151>1999-02-12

<150>US 09/277,227
<151>1999-03-25

<150>US 09/271,490
<151>1999-03-18

<150>US 09/293,972
<151>1999-04-15

<150>US 09/274,861
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<150>US 60/125,453
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<150>US 60/126,605
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<150>US 09/404,284
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<150>US 09/465,877
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<150> US 09/489,036
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<170>pt_CT_genes Version 1.01

<210> 1
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(691)
<223> similar to gi439877 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

```
      <400> 1
gttgcttttt gaaaatgtta ctacatggag ggaaacaaaa ctgggtttct tcctgatgcc        60
tcttaccaag acaatctcca gatgtattat agagataaat gtggaaggta aaactatgaa       120
agaaatagaa gaaaatgcag gagaatatct tcatgatcta caaatggaaa aggagttttt       180
taaatctcaa aggcataaat taaggcagac attaacttat ttatatagaa tttaagtatg       240
tatatttaac gaagaacata ttaaagttaa tactcaagag aacaaaataa attatttata       300
gtgcctaata ctgatgaggg attagtatct agtgtataaa aagaagcctg caaattaaga       360
agaaaaagat agcaatctca gtttaaaagg taggcaaagt atatgatcaa gcagtttaca       420
gaagaggaat cctaaagaaa tagctggcat agttagggct taaactcatt aagtgaaatg       480
caaattccaa caacatgaat taagtaaaaa ttagaaatag gtattatata acaccatgtt       540
ggcaaaaatg tggaaatttg agactcctca cataggttgt agaactgtag actgctgtag       600
ccagtatatg catactgcat gacccagcag ttttattcct gatatgcctc ccaaagaact       660
tctcacactg tccatgacat acatgcaatg gtgtttgttg cagtattaa                   709
```

```
      <210> 2
      <211> 411
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (352)...(0)
      <223> similar to gi1871540 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters
```

```
      <400> 2
tttttttttt ttgaggacaa ggtctcactc tgtcacccca aggtgggagt gcagtgacga        60
catcacagct cactggcagc ctcaaccctg gggttcaagt gatcctctca ccttcagcct       120
ccccaagtag ttgtgcctcc taggcacaca acactatgcc ccggcaaatt tttttgtatt       180
ttgtattttt tgtagaaaca ggatttcgcc atgttggcca ggctggtctc gaacaccctg       240
ggctcaactg atccgcctgc ctcggcctcc caaagtgctg ggattacagg tgtgagccac       300
cctgctcaac caggttttat tatttaagtt agttaaactt tggatagatt gtataatata       360
tagtttaatg taatcatgct catatttttt aaataaataa aacactatac t                411
```

```
      <210> 3
      <211> 865
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (20)...(861)
      <223> similar to gi1840045 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters
```

```
        <400> 3
gtcgtggaat tcgccttcca gctgtcttct gtgagtgtct gcctgacagt ttcctttggc      60
tggcagctag gcactgtgtc ttcctgtctc tctagggact ggttcttgaa gggaaacctc     120
ctcatcatca tcgtcagtgt gttaatcatc ctgcccctcg ccctcatgaa acacttgggc     180
tacctggggt acaccagtgg tctctctctg acctgcatgc tgttttcct tgtttcggtc      240
atctacaaga agttccaact tggctgtgct ataggccaca atgaaacagc aatggagagt     300
gaagctctcg tgggactccc cagccaagga ctcaacagca gctgtgaggc ccagatgttc     360
acagttgact cacagatgtc ctacacagtg cccattatgg cttttgcttt tgtctgccac     420
cctgaggtgc tgcccatcta tacggagctc tgccggccct ccaagcgcag gatgcaggcc     480
gtggccaacg tgtccattgg ggccatgttc tgcatgtatg ggctcacagc aacctttgga     540
tacctcacct tctacagcag tgtgaaggcg gagatgctgc acatgtacag ccagaaggac     600
ccgctcatcc tctgtgtgcg cctggccgtg ctgctcgcgg gtgaccctca ctgtgccagt     660
cgtgctgttc cctatccgcc gggccctgca gcagctgctt ttcccaggca aggccttcag     720
ctggccacga catgtggcca tagctctgat cctgcttgtt ttggtcaatg tccttgtcat     780
ctgtgtgcca accatccggg atatctttgg agttatcggg tccacctcag cccccagcct     840
catcttcatc ctccccagct gtatt                                           865




        <210> 4
        <211> 770
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (63)...(732)
        <223> similar to gi577221 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 4
cccaaccctc tcatctactg cacctgctgg gacccctgga acttgggacc acggaagcta      60
atcaagaccc ctcaactacc acgcaagaac tccacaggga gttccaagct aactcctctt     120
ctaccagctc caaaaaatca caattacctc caaccaacaa aacctgttgt ttccccaaaa     180
atgaaaatcc attcagcaag gcaagaagag actaataaat catttttatga agtgatcaac    240
gtgtcacctg ggctatcaac ttgttcggaa tcgggaacag atttctgttc accttagggg     300
atgagatgtt tgatagggaa aaagcggtgg gaatcggaga tcccggacaa aggcagattt     360
tccaggacca acatcatttc tgacctagaa gagcaaatct cagagctgac agcaataatt     420
gaacaaatga acagagacca ccagtctgcc cagaaattgc tctccagtga aatggatctc     480
cgctgtgctg agatgaaaca gaactttgaa aacaagaaca gggagctcaa agaggcccat     540
gaagcagaac tcagtgagtt ggagaacaac tacaaagcag ccttgaaggc agagaagttg     600
gctgcccaag agaagctaga ggagatggga aaagaataca agtatttgaa gaatatgttt     660
cgtacgtatc aggacagtat ttatgatgaa atggaagaga agtggtcaaa acagaaggcg     720
aaatggaaga aggatgagaa gttcgagcga gaaaatatcc tgctacagca                770
```

4

<210> 5
<211> 2513
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2212)...(407)
<223> similar to gi557822 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5
```
tttttttttt ttaaatttaa aaagatgtcc tcactgcaca agtgatctac gggctacagg      60
caaggatggg agacggaggc ttcaacacaa ctcattgcac ttagaaccgt tactaaccga     120
aacaccattt gcttgtcaac aatgtaccct tgacagcagg gagaaacttc tttatagtct     180
ctgcttcaga caagatttac agctttctcc aaggccagag gccaattgtg accacaagtc     240
ttgtttcttg tccaccagac ccaatcctct ggcaccttgt acccccgtt cctcagcaat      300
atgctcggcc taggttccag aggcagctgg aaggaagcag ctatgggctc attcagttct     360
gtttgcccaa atccagaagc cctaggaaag tcccgtctga gtcttgactc ctgacccttg     420
cagtggctgg agtcggtact ggtgcacacc cccactccca cggtgtgggt agtgctgtga     480
attggaaacc gcagataccc tggaggcctg gtagacagct gactgcccag cactgggcag     540
actgatagtc cgtaagtctg atggcaatga cgacctagag ttctgaggaa aggaggtgga     600
actcagagtt cctgtgctgg actgagaaac tgaatctgag gttggcgagt ctgagggtcc     660
ctgcagggta gggctagcag cactagaagg gcagctcctc cttggaagat tgctgccagt     720
gctgtttcca gaatgtggct ggctgctaaa ataccctggt gtccccgtaa atggggccaa     780
cgagtctgtg gacacagggt gggcggggct ggaataggac gtggaagaga gggatgattc     840
tgaagaaccg tgagaggggg ggtttccagg tctcagtgca gtagttcgat aactgtatcc     900
tggagactgt gtaggatgtc ctctgaaggg ggaggaactc tgctgaagga ggctttgtga     960
ttctgtccga ggactatcac actgcaggag ctggtagctg tatctggaag ggctgtaaac    1020
tgttgctcct ttagagagtg ctgagcttaa tgtctctggg ccttctccat ctgcagggtc    1080
tgagtctttc tctgtgatgt tactctccca tgtgggagag ggctctccct tttgggccac    1140
cctcacgctg cttcggagga ccttggggat gctccctcct tctcggagtc gttctactga    1200
tgtgggaacc atccacctac tgctgatatt ctcttgaggt ctgcagtgag atgaagaagt    1260
gcctctggaa tctgatgggc ttaccgcctc caaatgggac atagaggaat gagatgggga    1320
gaattttttg tgaggggaag atggagttcg ggctgaggat ccctgcacac catgggcacc    1380
agtgtcggaa acggagttac tgctgccttg cccagctcct gcagacttgc ttttgctctg    1440
tgcagagtca cctcccccac cagcagaatt ttccttagct tcttgtttcc gttttcggta    1500
ctccagcagg gatacttttt tcctctgtgg tgggttctgg ggggcagatg ggactccttc    1560
acaggccctt tcaccaccag gtgacaagga tccacgagag aggtctttca ttaagccatg    1620
ttcatatctg ctggaaaatc cttctgcagg ggaacaatat cccccatcca aatgtaaagg    1680
cttcctatcc cccactagag gagatcctcg atacagtcca tctgctcgag gcatagcatt    1740
caaaggggag taggcataca tcaagttgaa ctctgtccga aatgcctggt ctgagtttct    1800
cacgagggtc tgatgtccat ctccacttct gcttgggaaa ccagtctcag aagtgggtcc    1860
gagggaggga tgaggagcca ggtcagaatg actgagttga gtagggaagg tctatcagca    1920
cagctgttag tgttggagtc aaggtatcct acttttgcca aatccaggtc ttttcggtga    1980
caaagctcaa actgtagagg agtgttgcag cgactagcag tagtaagaga tgttgactgg    2040
tgaaaacatg aggctgtatc catttcgaca ctcctcttct cctgggtgag atgagccagg    2100
tgtggccagc tggggactct ttgagcctga attgggaggg ggtggtgtga ctggagacag    2160
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ttggtatagg tgctgagttc tagtctcttg gggtacagat gatgtttgag tcatcccttc    2340
ttctaaggct tgttttatcc agcgcttctt acaggagctg aatgtgccat caggcagaag    2400
gggccttcga cgtctctcag ggataaaggg tgagccaaag cgaatggagg gttttggggt    2460
```

5

gtgcaataac cgggaattgt tagactggta actgtttaag gcggtgcact caa   2513

          <210> 6
          <211> 371
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (3)...(372)
          <223> similar to gi3600073 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

          <400> 6
ctctccataa agacaggtta cagattttaa atgattttca acagttgtta ggggatattc   60
attggctgtg cgcaatgcta ggtattgcaa cttatcgact caaacatctt tatcaaaccc   120
tgcaaggaga ttcttcatta gatttccccg cagcaattga tcaaagaggc agaagctgag   180
ttgcaacttg tagaacagat gcttcagcag agacatgcct catggctgta gccgcaaaag   240
cctttgctta ttcttcatac ccctcattct ccaacaggac tcctgggcca gtgcttagac   300
aagtctgtat cagtaataga atggctcttt ctacctaatc aaacagttaa aaccttgcaa   360
gcctatcttc c   371

          <210> 7
          <211> 359
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (112)...(9)
          <223> similar to gi807677 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

          <400> 7
ctttgcagat ataattaagt tgactaatca ttaaaataag gagactatgc tagatatcta   60
gatgggccca atgaaagcac atgaactcta aaatgcagaa gataacaagg gcccagaatg   120
gccaaaacaa tactgaaaaa gaatgtaaga aaactgacat ttcctaattt caaaacttac   180
tacaaagcca tggtaattac tacagcgcgg tactggcaca aggaaagtca tagaaatcaa   240
cggaatagaa ttgagattcc agaaataaac ccatacgtct tctgtcaact gattttccat   300
aaaagtacca agactactca atggagaaaa gaagagtctt ttcaccaaat agtgccggg   359

6

```
<210> 8
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(610)
<223> similar to gi1196425 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




      <400> 8
aaaggaaaga gtaactcttc ctgcactagt ggtcactgta acccattgaa ctactaatta      60
ccaatcccct tgatccctgc tggaaaacag gagagtatgt aactctagga atcgatggaa     120
ctggactgga tccctgagta aatattttag tccaggggga ggtccacaag cgatcttcca     180
aaccagtgtt tcagaccttt tatgatgagc tgaatctgcc agcaccagag cttccacaaa     240
aaaggacaaa gaacttgttt ctccagttag cagaatatgt agctcattcc ctcaatgtta     300
cttcctgtta tgtatgtgag ggaaccacta tgggagactg atggccttgg gaaacccaag     360
aattagtgcc tactgatcca gttcctgaca taattccagt ccagaaggcc caaactaaca     420
actttgggt cttgaaaacc tctattaatg gacaatactg catacctaga aaaggaaaag      480
acttcaccat ccctgtagga aggctcaatt gtctaggaca gaagctgtat aaaagcataa     540
cagggacaca gggacagtca cctggtgggg gtctaaacca tactgaaaat aatcccttca     600
gtaaatt                                                                607
```

```
<210> 9
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(380)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(379)
<223> similar to gi1698455 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




      <400> 9
gtgagatcac taatacttta tgaaaagttt atggggacaa tgccccaaag aaatcagctg       60
tttacaaatt gataactcat ttttaacaag ggatcagatg atatggaagg taaagccaat      120
ggcggcagat catcaacatc aatttctgag gaaaaaatct cattcctgct ctaattgaag      180
aggacctatg attaacaaca gaaatgatag ccaacaccac agatatctca actggttcag      240
```

```
cttatacaat tctgactgaa aaattaaagt tgagcaaact ttccactaga tggatggcaa    300
aaccactgca cccagatcag ctgcagacaa gagcaaaact ttcaatgaaa tgttaaataa    360
gtgggatcaa gaccctgan                                                 379
```

```
        <210> 10
        <211> 337
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(337)
        <223> similar to gi3327112 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 10
agtggagccg cacagcccgg ggctggcagg ggccagccag gcgcagccca gccttccagg     60
gctgcaggca gtggcagtag atgtaagcca gaactatctc acggcagtgc cccgacttcc    120
gtgtgtcccc ccaaaacttg tacctggctc aggtggtggc cctggcagcc aggtgagatc    180
cagtgaggac tagggttctg ccttcccggt cagagcgagc agcaacgact ccttcgagca    240
gagcattaag gcggaaatag aacagcttct gaatgagaag agatagcatg cgacccaaaa    300
atgtgatggg gtcaatagat aaaaaaccag acccaaa                             337
```

```
        <210> 11
        <211> 340
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (129)...(341)
        <223> similar to gi2065210 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 11
gcagatcaga aaaaccttgt aaatgtccat ttataaagaa tgactgttgc agagtgaaat     60
gaatgatgga agttcatgtc gctccacaga gcacttgctg gacatgatac agaatgaagg    120
ggacctgctg catttctgga gggattgcag aggacttcaa ggaagcaggg atggtgattc    180
ctaccacatc cccattcaac tctcctattt ggcctatgca gaagacagat ggatcttgca    240
gaatgacagt ggattagcca ggtgatgact taagcttaac gtaagcttaa ctaggtggta    300
attccaactg cagcggctgt accagaggtg gttgcattgc                          340
```

<210> 12
<211> 1130
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(1132)
<223> similar to gi2662167 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 12
gtcaaacaag aacccaggtt tgaggaggaa gtcattattg ggtcctggtt ctgggcagaa   60
aaagaggcca gtttggaggg tggagcttca gcaatctgtg aatctgagcc aggaactgag   120
gaggggagga ttggcggatc cgcgtactgg gctgaggaaa agtccagttt gggggctgtg   180
gccagagaag aggccaagcc ggagtctgaa gaagaggcca tatttgggtc ctggttctgg   240
gacagagatg aggcctgctt tgacctaaat ccctgtcctg tgtacaaggt cagtgatagg   300
ttcagagatg cagctgagga gcttaatgca tcctccaggc cccaaacctg ggacgaggtc   360
actgttgaat tcaaacctgg tcttttcat ggggttggct tccgatccac aagccccttt   420
ggaattcccg aagaggcttc tgaaatgctt gaggcaaagc ccaagaacct ggaacttagc   480
ccagaaggag aagagcagga atctttgctt cagcctgatc agcctagtcc tgagttcaca   540
tttcagtatg atccttccta ccggtcagtc cgggaaattc gagagcatct tagggccagg   600
gagagtgcag agtctgagag ttggtcctgc agctgcatac aatgtgagct gaaaattggt   660
tctgaagagt ttgaagaatt ccttttatta atggacaaaa ttcgggatcc ttttattcat   720
gaaatatcta aaattgcaat gggtatgaga agtgcttctc aatttacccg agatttcatt   780
cgagattcag gtgttgtctc acttattgaa accttgctta attatccatc ctctagagtt   840
aggacaagtt ttttggaaaa tatgattcac atggctccac cttatccaaa tctaaacatg   900
attgagacat tcatatgtca agtgtgtgag gaaacccttg cacatagtgt ggattccctt   960
gagcagctga ctgggaataa gggatgcttt agacacctca ctatgactat tgactatcac   1020
acaactgatt gccaactaat atggtccggg gtttcctctc cttttttaac cacaagccca   1080
atgcggagaa acgaagtttc acgttctgaa aatgctattg aatttgtctg   1130

<210> 13
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(293)
<223> similar to gi498721 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 13

```
ggagagaaac cttataaatg taatgaatgt ggtaaagctt ttattgaaag gtcaaacttg      60
gtttaccatc agagaaacca tactggagag aagccataca aatgtatgga atgtggcaag     120
gcgtttgggc ggcggtcttg cctcactaaa caccaacgaa ttcattctag tgaaaaacct     180
tataaatgta atgagtgtgg caaatcttac attagtcgct caggcctcac taaacatcag     240
ataaaacatg ctggagagaa ccttacaact aaactcaatg tggaaaggcc gttagatgtt     300
gtcctaacct ctgggatccc caaataattt atacttactc atatagcttg tatatttgtc     360
ctttcccttt gaag                                                       374
```


        <210> 14
        <211> 282
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(281)
        <223> similar to gi3599339 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 14
```
agcatttgat aaaattcaac atcattctat gattaaaaaa cctcaaaaaa actgggtata      60
gaaggaatat acctcaacac aataaaagcc atatacagca gacccagagg tagtatcata     120
ccgaacggga aaaatgaaag cctttcctct gagatctgga acaagacaaa tatgcccact     180
tttaacactg ttatttaaca tagtactgga attcctagct agagcaatca gacaatagaa     240
atgaaggcat ccacctcgga aggaagaagt taaattatgc tt                        282
```


        <210> 15
        <211> 364
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(362)
        <223> similar to gi3599339 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 15
```
ctagcatagt actcaaagtg ctagccagag caagtgggcg aaggatcgaa gcggcaggtg      60
cattggtttg gaagaagtca acttttccct gttcatagat gacatgatct tacatatgaa     120
aacctttaaa aacaggaaca taaattagaa aaccttaaag atgccaccag aaagacctgt     180
taaatctaat acatgaattc actgaagttg caggatatga aatcaactta taaaaaccag     240
tattggtttt atgtactaat agggaactac ctggaagaat tatcaagaaa actctattta     300
```
```

10
```

```
caatagctat gagaaaaata cttagaaata aatttaagca aggaggcgaa atatctgtac    360
attg                                                                364
```

```
        <210> 16
        <211> 290
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (4)...(290)
        <223> similar to gi2981631 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 16
cgctggcaca gacataggca catgaccaat gggccagagt agggaaccca gaaataaagc     60
caaataccta acagccaatt gatcttcatc acagtaagca taatcaaggt agggaaagta    120
caccctatac accctatagt cctgggataa ttggcaagcc acatgtaaaa gaataaaaat    180
ggattctcat ctctcacctt ataaaaaatc aacacaagat gggtcaaaga cctaaatcta    240
aggtctgaaa ccataacaat tcagaagata gctttggaaa acgcttgtac                290
```

```
        <210> 17
        <211> 356
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(355)
        <223> similar to gi1334115 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 17
caatcaactg tatacaatca acatctgtag actacttcat ccaacaacag cagaatacac     60
attcttctca agttcacata gaacattcaa gacagaccac aagctaggtc ataaaacaca    120
tcttaaaata aatttaaaag aatataaatt acacaatgtc tgctcttaaa gcagaaatca    180
ttaacagtaa gaaaaccgga aaatcccaaa atacatgaag attaaacaac acacctctaa    240
ataacacata gatcaaagac gatatctcag gataaatttt aaaatatttt gaattaaatg    300
aaaatgaaaa cacaagttat caaaattgtg agatgtagta aagcagtgct tgtagg        356
```

11

```
       <210> 18
       <211> 678
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (5)...(675)
       <223> similar to gi1698455 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters


       <400> 18
tgctgagttt ggctgcaaga atggtgaaat cattgatact ttacaagaca ctaatcagga      60
cagtgcccca aaggaatcag cagtttacaa atggatataa cctgttttca gaagagacaa     120
gattaatttg aagatgaagc agtggcggac catccatgtc aatttatgag aaaaaaattc     180
attctgttca tgccctaact gaagaggact gacaacagca caaacaatag ccaacatcat     240
agacatctca actggttcag cttactcaat tctgactgaa agttaaagtt gagcaaactt     300
tccactcaat gagtgtcgaa accctcatgc ccagatcagc tgcagacaag agcagaggtt     360
tcaatggaaa ttttaaacaa gtgagattaa gatcctgaag catttcttga aagaattgta     420
acaggagata aaccatggct tcaccagtac aatactgaag actaagcaca atcaaagcaa     480
tggctaccaa gaggccgaag tggtcccatt aaggcgaaag tggaccagtc aagagcaaag     540
gtcatggcaa cagtgttttg ggatgccaag acattttgct cgttgacttt ctggagggcc     600
aaagtgcagt aatgtctgtt tattatgttt tgagaaagtt ggccaaacct ttagtagaaa     660
aatgtccagg agtgtatt                                                   678




       <210> 19
       <211> 359
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (3)...(362)
       <223> similar to gi1808582 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters


       <400> 19
ggaaaatgat gatttgaggt ttatttgaaa tacaacaatg tccaatagga aaacactgca      60
actttcttca ggtgttgaga aatccaatag agacctctgc ttgtctcctc ctttggcaag     120
agctccaagg ggagagagag gatgggccac cacgatgaat actacaggct gcggggaagg     180
ataaccctag tccagaccat tcctacaaaa gaaatgggga atccgaaagg aaaaggaaga     240
aatctcacta gcacatgtca aagagccagg agaggcacaa ttcaccaagc agaggaagaa     300
atagtgaccg cagcggggc cggtgcagcc gcagtgataa cggtcggagc cgttacagg      359
```

12

```
<210> 20
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (6)...(52)
<223> similar to gi3954942 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 20
nttttcaggc tgtgacagtg aggaactcca tggctaagtc tctgtatagt gccctgtttg      60
actggatagt ttttcgaatt aatcatgcac ttctgaatag taaagattta gagcataata     120
ccaaggtaat gatatattgg attataatat gtttttccct gaaagctatt ttaataaact     180
ggttaataca tgaaatttaa aaacacagaa ttatatagag taataagtaa gaaatcgctt     240
ttatttgtta tttattaccc tgttcagaag aattgttctg tgtgtctttc cagacctttt     300
ttattatgtg ttttttacctc ccgaacgtgt atattcagag ttgctttaaa aaatgtaaat     360
agaatcaagc tc                                                         372


<210> 21
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(385)
<223> similar to gi2072972 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 21
cggcacgagg aaataatttt tatcagagca gaactaaatg aaatggaaac ggaaatatag      60
actaaaagag attaacaaaa tgaaaacttt ggttttctga aaagataaaa tagataaacc     120
tttagctaga ccaagagaaa aacagaaaag acccaaaaaa aattagaaca aaaaggagac     180
attacaattg ataccacaga aatagaatca ttagagacta ttaggaacaa ctaacaacaa     240
cagattcctg gacacatata atcaaccaag atagaatgag gaagaaatat aaaacctgtg     300
cagaccaata attagcaatg agattgaatc agtaataaaa agcctcccaa caaagaaaag     360
cccaggatca gatggctttta cca                                            383
```

```
<210> 22
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(384)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (7)...(296)
<223> similar to gi2981631 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 22
atgacttcaa tacctgactt catgatttat tataaggtta tagtgataaa gacagtgagc      60
tattaccata aagatggatc aatggcccaa aacagactcc agaattagac ctactcatct     120
gtgtcaactg attttgaaa aggtgaaaga ggtagtttag tgaaagaaaa gataatcttt     180
tcaagaaata atgctgtaac aattgacata cagatgcaaa aacaacaaca gtaacaaaga     240
actgaggtct atacttcaca ccatgtaaac aaattaactt gaaatggatt agacctaaat     300
gtaatactga aactcaaaaa cacttagaac aggagaaagn ttttgtgatc ttaggttagg     360
caaagatttc ttaaatacaa cac                                             383




<210> 23
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(310)
<223> similar to gi56590 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 23
atcagacttg taaaaattta aaaagacaaa acattctatt aggaaaacag gctgcttcat      60
acttatcaga aggaacacaa attggtacat gccagctgaa gggaaatttg gtaatatgta     120
acaaaccgca taggcataaa cctttcaacc cagcaatccc actattataa atgcaccctg     180
acgttcccaa tgataagaaa atatatatgc acaaagatat tcattgcagc atcatttata     240
attgcaaaat cctaggaaca acgtaaatgc tcatgcacaa gagagcagtt atatcaacta     300
cagtatatca acataaggaa gtaaaagaga atgagaaagt cctctatgaa ctgataggag     360
```

caatttccca caatatactg tcat   384

<210> 24
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(385)
<223> similar to gi439877 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 24
atatgtgtaa agagtaaaaa ataaagcgtc tagcagacaa cataggagaa tatcttcatg   60
actttgaggt aggacaaaga tttattgaac aggacttaaa atgtctaact gtaaaggaaa   120
agactaataa tctggatttc actgaaatta agagcttgtg ctctcactag acaccattaa   180
gacagaacag gcaagcccca gagtgggaga aggtatctga aaagcatata tccaataaag   240
gggtaatctc cagaataaag aattcctcta atcaatgaga cgacagatag tccaaatgaa   300
aaagaggtaa gacttgaatt gaatgtaacg aaacagacta tccaaattgc caataaatgt   360
aagaagaggt gctcaatctc attaatcacc   390

<210> 25
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (345)...(527)
<223> similar to gi2072961 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 25
ggcacgagaa ctggtgctta atttaatgcc aattcatgat gtaggtttct aagcagcaca   60
taaaaggggc tttttaggta gcactgagta ctttactaaa aatacaaaaa ttagccaggg   120
ggggggggtgc acgtctttaa tcccagctac tcagggcggg ggccaggggg tggggtaggg   180
tggggctga gacaggagaa gcacttgaac ccaggaggcg gaggttgcag tgagctgaga   240
ttgtgctact gtactccaac ctgggcaaca aacagagtga gacactgtct caaataaata   300
aataaataga taaataaaat aaaataaaat aaaagaact cgaccctttt tacaatagct   360
aaaggaaaat aaaatactta agaatatact taaccaagga ggtgaaagac ctctacaaag   420
aaaactacaa aacactgctg aaagaaatca cagatgacac aaacaaaaac acatcccaag   480
ctcatggaca ggtagaatca atactgtgaa aatgactata ctgcc   525

15

<210> 26
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (352)...(332)
<223> similar to gi2065210 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 26
```
tcaacaccat gtatcaacca ctgatctgac cacttatagg acagcacccc aacttcacaa      60
gatgttgtct cccagcaggc tccataaatg agccttcgat aggacatttc atcattccat     120
caatctagct gcttccaggt aagaacaatg aattctacga tgtgagcgta ataccacagc     180
tgtttcactg taaatgagtt ccttgatcag tgacaatgct gtgtgtgaca ccatggggat     240
gaataaggca gcctatcaac cacatatggt aatgctggcg gaagcaacat gcacaggaaa     300
gggaagttac tctccagtat atgtaattat tcccatgaag acaaattcct gccccttcca     360
taatgtagtg g                                                          371
```


<210> 27
<211> 375
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(359)
<223> similar to gi2197085 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 27
```
caagaaatct gaaactaata agtgagtatt gcaagatttc aggataaaag gttaatatag      60
aaaatcaatg ttttcctata tatcagcaat ggacaagtgg aatttgaaat taaaaacaca     120
ataccattgt gagcacacac ctaaaaaatg aaatacttag atataaacgt aacaaaatat     180
gtacaagatc catatgaaga aaactacaaa attctgatga aaaaaatcaa agaacagatg     240
gagatattcc atgtttatag atagaagatt gaataccaag acgtcagttc ttcccaactt     300
ggaataatag attactgcaa tcccaataaa aattctagca agttattttg tagacacaaa     360
ctgattatga agttt                                                      375
```

16

```
<210> 28
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (117)...(449)
<223> similar to gi5726238 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


    <400> 28
ataggaactc gcgtgactgg gaaaacaccg tctgcactgg gaaaccactt cctactttgg      60
gcttcgaggt caggacttcg agtcgagcac gaggagagag ctaggagctt cactaccctg     120
atgggtatgg cgacgcccac aagggttagg acaatcctct gatctgacat ggagatataa     180
tgttactgct aaatcagaca ctaacgccaa atgagagaag tgccatcata actgcagccc     240
gagagtttgg cgatctctgg tatctcaggt caatgatagg atgacaacag aggaatgaga     300
acgattcccc acaggccagc aggcagttcc cagtgtagac cctcactggg acacagaatc     360
agaacataca gattggtgcc gcaaacattt gctaccttgc gtgctagaag gactaacgaa     420
aactaggaag aagcttatga attattg                                        447




<210> 29
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(356)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (24)...(358)
<223> similar to gi5726238 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



    <400> 29
gagagagcta ggagcttcaa taccctgatg gctatattga tgttttacaa gggttaggac      60
aatcctctga tcctgacttg gaaatataag gttactgcta aatcaaaccc taccgccaaa     120
tgaaaaaagt gccttcttac ctgcacccca aaatttggcc aacctctgga atctaaggtc     180
attgatagga tgacaccgaa ggattgaaac caattcccaa cagcccacaa gcaattccca     240
atggaaaccc ttactgggac cccgaatccg aaccttccga ttggtgccgg aaacatttgc     300
taccttgcgt gctataagga ctaaggaaaa ctaggaagaa gcttatgaat tattn          355
```

17

```
<210> 30
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(387)
<223> similar to gi5360532 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 30
ggcgccgcgt cgcacccagg gtggctgggt tggcagcctg gcgggcggcg cggaggagag      60
ggcgcagggg tccttctggc cgtcttccgc tcccctccc ggcctttact tctgtcaggc      120
cccgcctggc ccaggcccgc agcctgtttc cttccacctg ggcgggtcgg gggctgcggg      180
cattggggcc ccttaaggaa acccaggcct ccagggactc cgccgctcca ggactcggcg      240
cggagggaat gactgagcga cgaccgaggc aggggggtgat gtggtacctc gaatgctgtg      300
gaaatggcag gaatgatgac ccggccggac cttagacccg agatcgatga gaggccgcca      360
gcactgcccg ggaaaccggc cggctcttct ccccctcctg ctgcggccgc      410



<210> 31
<211> 1304
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1244)...(516)
<223> similar to gi2388676 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 31
tattcagtga ttgtctagag agggctacta agattgtacc ttctaaactg tattgtcttt      60
ccttattcgt atgagttggc atggcttctt ttatcactaa ttccttttct ggaaaggggt      120
aaaaatagtt atgacagttt tgggaaggtg cgttttcaga ttagctgttt ccagagctga      180
aggtaatcat ttattcaagg cctgatgagc tggagtttgc agcaggagta ggagttaatg      240
aagtattgat acttggtaac ccttttgta aaaaaaaaa attttaattt ttttttata      300
gagacagggg tctccctatg ttgcccaggc tggcctcgga actcctgggc tcaagggatc      360
ctcccacctt ggcctcccaa agtgctggga ttacaggcag ccatgcccag ccagggcaga      420
cattttatg cacaactttc tgtgggctc aagtgcacct atgatacata aattttacag      480
ttcttgatcc ccaaacagag caggaggcag ggtgcctggg ccagggttc ctttggggaa      540
atgtggtcct tgaggtagag tcacagatgc cggagggtga ccagcactac tgggggagag      600
atctcctctg gggagagatg catgccaaag gtccctcttg cattcctcat acctcttgat      660
```

18

```
gcggacagag gggtgtccag ctgaatgatg tggggccccc gcatcctctg cagctgggcc     720
cgagtcagct tccgtggcct gctgtcccgg ggctcctcgg ccccctcaat cctttggctg     780
gccagctcct cccggatctc tctgagcatg tcctcagccc gcattgggcg cagggatgtg     840
tggccagctt tcaggaacag aggcccctct tcttcctcct cccctgagga ctcccagggg     900
ctttccccgg cagagtcagc atgggttggg gaggagggaa gctggccccg aagccgggcc     960
ctgtggagtg tttccaccac cacattccct cgctcggagg ccccatcttc ttcctcagac    1020
caggttggtg ggtcttcctg gggaagactg cctcctttta ggattccttc cggcagttcg    1080
ggggcgcttc ggcgttgagg agcttggggg tcgggagggt ggggacgcag agggatgtcc    1140
cggagttcca gggtggagaa ggtgaggcga gggtcccgcc gaagggctct ttggcgtaga    1200
cggctcagtg gggagcggga ccccgtgggg gtgcctggga tcaaagtgcc gtagccagag    1260
tctgaggtat catctggcac aaggggagca tcttcatctg tgtc                     1304
```

<210> 32
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(354)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 32
```
ggaagttaag atagtccctg tccactctga gctcctcatg cctctgaata gacaggcaaa      60
gaagggagtt accgtgctgg cagaggtggt tgatcctgac taccaagggt taattgcttc     120
tactccacag aactaagaaa taatacttct ggaatacatg ggatctccta gggtgtcttc     180
agtgctacct actaccatgc cctgtgatta atttaatgga aaactacaac aacccaattc     240
gggcacagct gccaatggcc caattccttc aggaaggaaa gtttgggtca ttgccccata     300
taaagaatca agaccaactg agttgcttgc tgaaagctaa gggaatacag aa             352
```

<210> 33
<211> 1398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(1353)
<223> similar to gi3881305 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 33

```
gcggccgcat tcctgcaggg gatgactgtg aatggcttca tcaacacagt catcacctcc      60
ctcggagcgc cgctatgacc tgcacagcta ccagagcggg ctcatcgcca gctcctacga     120
cattgccgcc tgcctctgcc tcaccttcgt cagctacttc gggggctcag ggccacaagc     180
cgcgctggct gggctggggg cgtgctgctt atgggcacgg ggtcgctggt gttcgcgctg     240
ccccacttca cggctggccc ctaatgaggt tggaagttgg acgcgggtgt caggacgtgc     300
cctgccaacc cccggcgcgg tgtgtgccgg acagcacctc gggcctgtcc cgctaccagc     360
tggtcttcat gctgggccag ttcctgcatg gcgtgggtgc cacacccctc tacacgctgg     420
gcgtcaccta cctggatgag aacgtcaagt ccagctgctc gcccatctac attgccatct     480
tctacacagc ggccatcctg ggcccagctg ccggctacct gattggaggt gccctgctga     540
atatctacac ggaaatgggc cgacggacgg agctgaccac cgagagccca ctgtgggtcg     600
gcgcctggtg ggtcggcttc ctgggctctg gggccgctgc tttcttcacc gccgttccca     660
tccttggtta ccctcggcag ctgccaggct cccagcgcta cgcggtcatg agagcggcgg     720
aaatgcacca gttgaaggac agcagccgtg gggaggcgag caacccggac tttgggaaaa     780
ccatcagaga cctgcctctc tccatctggc tcctgctgaa gaaccccacg ttcatcctgc     840
tctgcctggc cggggccacc gaggccactc tcatcaccgg catgtccacg ttcagcccca     900
agttcttgga gtcccagttc agcctgagtg cctcagaagc tgccaccttg tttgggtacc     960
tggtggtgcc agcgggtggt ggcggcacct tcctgggcgg cttctttgtg aacaagctca    1020
ggctccgggg ctccgcggtc atcaagttct gcctgttctg caccgttgtc agcctgctgg    1080
gcatcctcgt cttctcactg cactgcccca gtgtgcccat ggcgggcgtc acagccagct    1140
acggcgggag cctcctgccc gaaggccacc tgaacctaac ggctccctgc aacgctgcct    1200
gcagctgcca gccagaacac tacagccctg tgtgcggctc ggacggcctc atgtacttct    1260
cactgtgcca cgcaggtgc cctgcagcca cggagacgaa tgtggacggc cagaaggtgt    1320
accgagactg tagctgtatc cctcagaatc tttcctctgg ttttggccat gccactgcag    1380
ggaaatgcac ttcaactt                                                   1398
```

```
<400> 34
gattttctg acaggatcaa tcgtgccctt gctgcagcaa agaaggataa tgacttcatt      60
tatcatgatc gagttccaga ccttaaagat ctagatccta ttggcaaagc cacacttgtg     120
aaatctaccc cggtcaatgt acccatcagt cagaaattta ctgatctgtt tgagaagatg     180
gttcccgtgt cagtacagca gtctttggct gcctataatc agaggaaagc cgatttgatt     240
aacagatcaa ttgctcagat gagagaagcc accactttgg caaatggggt gctagcttcc     300
cttaatcttc cagcagcaat tgaagatgtg tctggagaca ctgtacctca gtctatattg     360
actaaatcca gatctgtgat tgaacaggga ggcatccaga ctgttgatca gttgattaaa     420
gaactgcctg aattactgca acgaaataga gaaatcctag atgagtcatt aaggttgttg     480
```

```
gatgaagaag  aagcaaccga  taatgattta  agagcaaaat  ttaaggaacg  ttggcaaagg      540
acaccatcca  atgaactgta  taagccttta  agagcagagg  gaaccaactt  cagaacagtt      600
ttagataaag  ctgtgcaggc  agatggacaa  gtgaaagaat  gttaccagtc  tcatcgtgac      660
accatcgtgc  ttttgtgtaa  gccagagcct  gagctgaatg  ctgccatccc  ttctgctaat      720
ccagcaaaga  ccatgcaggg  cagtgaggtt  gtaaatgtct  taaaatcctt  attgtcaaat      780
cttgatgaag  taaagaagga  aagagagggt  ctggagaatg  acttgaaatc  tgtgaatttt      840
gacatgacaa  gcaagttttt  gacagccctg  gctcaagatg  gtgtgataaa  tgaagaagct      900
ctttctgtta  ctgaactaga  tcgagtctat  ggaggtctta  caactaaagt  ccaagaatct      960
ctaaagaaac  aggagggact  tcttaaaaat  attcaggtct  cacatcagga  attttcaaaa     1020
atgaaacaat  ctaataatga  agctaactta  agagaagaag  ttttgaagaa  tttagctact     1080
gcatatgaca  actttgttga  acttgtagct  aatttgaagg  aaggcacaaa  gttttacaat     1140
gagttgactg  aaatcctggt  caggttccag  aacaaatgca  gtgatatagt  ttttgcacgg     1200
aagacagaaa  gagatgaact  cttaaaggac  ttgcaacaaa  gcattgccag  agaacctagt     1260
gctccttcaa  ttcctacacc  tgcgtatcag  tcctcaccag  caggaggaca  tgcaccaact     1320
cctccccaca  ctcatcgccc  ttaccacgct  actcctacct  atctcccctt  ttatactaat     1380
aatcttataa  aangacaaaa  aacctaaagc  aacttcaatt  cctacacctg  cataaaaang     1440
gggggggggc  ccgttttaaa  gaatcctctg  gggggcccaa  ttattggcgg  tgatagagaa     1500
ataatttctt  ttttttttg  ggggcgattt  ataacccccc  cggggggaatt  ttgaagaaaa     1560
catttttttt  tggggggaaa                                                     1579


        <210> 35
        <211> 396
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (9)...(398)
        <223> similar to gi5834564 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 35
    acgcgtgcca  acaccaacat  ccatcatgcc  ctatgctcag  cctggacctg  ctgtatgaga      60
    tggacccccgt  agtactgggg  gactcactgg  atatatgtta  ttcgagctac  ttcatgttat     120
    ctagccctgc  tctgacttac  gccacatcct  acggacgcgc  tgcttacata  gagcatgagc     180
    gtacctaggc  ttggctcttg  acgtggactg  atgtgataaa  ctcgctgaat  atgactacta     240
    gcctgaccca  ccatgcccca  ggctcagcag  ggagctcctg  gaggtagtag  agcctgaagt     300
    cttgcaggac  tcactggata  gatgttattc  aactccttcc  agttgtcttg  aacagcctga     360
    ctcctgccag  ccctatggaa  gttccttta  tgcatg                                  396



        <210> 36
        <211> 413
        <212> DNA
        <213> Homo sapiens

        <220>
```

21

<221> misc_feature
<222> (23)...(416)
<223> similar to gi2072966 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 36
```
aaggagaaat aaaaatgaaa gaaaaaagag agaacagaat atccaagaac tgtgggacaa        60
ttgagaagga tgtaacacgt tatttgaata ccacaagaat tagaaagcag caggagagat       120
atttgaagta gtaatggcca agaattttcc gaagttgttg acagatgcaa aactacagaa       180
ccaggaaact cagaggacac caagaagaat aaataccaaa atatatacat ctatgcacat       240
catcttcaaa tgcaggaaaa gaaagacaaa tagaaaatac tgaaagaagc cacaaggaag       300
gaaaatacta gaggaataaa aataagaaat cttatcagaa accatgcaag aagagagtgg       360
agtgagatat aaagtgttca gagaaaaact actaacctag tcttctgtat ccg            413
```


<210> 37
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(365)
<223> similar to gi483916 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 37
```
aatagaagta actatacttg catcagatag aatagatttc aagtcaaaaa ctagaaaaag        60
acgtaggtca ttacataatg ataaagggct caattcagca agagcatata aaggttataa       120
atatatatgc aaacagtatt ggagcggtca gacgtataaa gcgtaataga tttagtaaag       180
ggagagacag acggcgacac aataatagct gaagactgag ttcaacgccc cacgttcaat       240
aatgggcagg tcattcagac agaaaatcaa gacaacccaa atcaagactg aggtacactc       300
taggcaaaat ggacctgaca cctagagaac gtttcatgca actggtatag aatacacgtt       360
ttctcatca                                                              369
```


<210> 38
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (105)...(391)
<223> similar to gi334072 in the genepept database release 114,

```
<400> 38
cccagggctt ctcaaagtgt ggcctcagac ttcccacctt aaaatcatga tgggaataga        60
aagaagggtt tgttaaatgc gcatgcccag gtcctgcacc cagaggggga catggcccct       120
ggggctcccc taggcatccc tgtgtgcacc tgcacaaacg gcagacacgg tcctgggggc       180
tccgtgggtg acaccccagg gaggggcttc acaggtgcca tatggtaaga ggtagacgaa       240
agtacccact gcgtcgtggg gtgaggtgtc caggcacagg cttcccaggg atgggatcgc       300
cgcagggcac aggtggaggg aggcagccct gggccgggga gcagagccca caaaggggc        360
ccaggaagct gctggctgtg aaggtgtaag aaa                                    393
```

```
<210> 39
<211> 291
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(272)
<223> similar to gi2340084 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 39
aaactgtacc atggggagtt gcattgcacc atgcagggct tacttttgat gagagggata        60
tcactgaatg agcctttcat ccaggcctta ttcgggcctt ggcggcgact tgtactattt       120
cttctggggg gaaatcacct gcacgacacg cgatgatccg aacccctatt ttcggaggtc       180
gacctgatag atatgctcac ttataaccag atgggtagcc agagctggca cgaaaggaga       240
ggacacagta ggccacagta tgttaattcg tacgcgacgc aggcgcgaat t               291
```

```
<210> 40
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(353)
<223> similar to gi35568 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
       <400> 40
attgttaaaa ccactgtggt aattaagaaa tactttgggg agatgctttg aggctgtgca      60
gatagccatg ttttcccttg aaagttgttg agccaacgtc ggatgggaat tatgtcacca     120
aacaggagct caaaggatta gatatagtta gaagagatag gtgtgatctt gctaaagaca     180
ctggaagcct tgtgattggg caaattcgtt atgatcaaag ccggatcagt atagtggaaa     240
acttcagtaa gagagcttat agaaaatgga aatagatgtg ataaatggca gtatgccagt     300
gagccagttt gaaagtataa aggcatctcc ataggatcaa catgaccacc ttcctctaat     360
aagcctactt taggtaca                                                   378




       <210> 41
       <211> 349
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (40)...(347)
       <223> similar to gi1791243 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




       <400> 41
cagaacaagt agacagaaag ggagtaagaa tacagaagac ttgaacaggg ttaacccaat      60
gacatatata ttctatatcc caaaacagta gaaggtacat cctttccaag tgcacctgga     120
acactcacca agacagacca taagccgggt ctcgaaacat gcagaatatg ttctctgacc     180
acaactgaag tgaaaaataa ataacaaaaa tataacataa agagccccca tatattcaga     240
aattaaacac acttttaaac aactcacggg tcaaagaaga aatcacaaga gaaattagaa     300
aataccttgg gctgaatgat aaaaatatat taaaacgtgt gggatgcag               349




       <210> 42
       <211> 931
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (2)...(847)
       <223> similar to gi3258569 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




       <400> 42
acgcaagcct tttggatcca aaatgtatta tttcgggatt gctgcactag atagatttaa      60
aaacagattg aaggactatc cccagtattg tcagcatttg gcttctatca gtcactttat     120
gcaatttcca catcatttac aggagtatat tgagtatgga caagcagtct agagatcctc     180
```

```
ctgtgaaaat gcaaggctct atcacaaccc ctggaagtat tgcactggct caggcccagg    240
ctcaggccca ggttccagca aaagctcctc ttgctggtca agttagcact atggtaacca    300
cctcaacaac taccactgtt gctaaaacgg ttacggtcac caggccaact ggagtcagct    360
ttaagaaaga tgtgccacct tctattaata ctacaaatat agatacgttg cttgtggcca    420
cagatcaaac tgagagaatt gtggagcccc cagaaaatat ccaggagaaa attgctttta    480
ttttcaataa tctctcacag tcaaatatga cacaaaaggt tgaagagcta aaggaaacgg    540
tgaaagaaga atttatgcct tgggtttcac agtatctggt tatgaagaga gtcagtattg    600
agccaaactt tcatagcctg tattcaaact tccttgacac gctgaagaat cctgaattta    660
acaagatggt tctgaatgag acctacagaa acattaaagt gctcctgacc tctgataaag    720
ctgcagccaa tttctcagat cgttctttgc tgaagaactt gggacattgg ctaggaatga    780
tcacattagc taaaaacaaa cccatcttac acactgactt ggatgtgaaa tcattgctgc    840
tagaggctta tgttaaagga caacaagaat tgctctatgt agtggccttt ggtggccaag    900
tcttagaatc taacattcgg agtgtggttt t                                    931
```

```
        <400> 43
caaatgtata cagaaagaaa gacaaggaaa taaaacagct aaagcaattt tgaaaaaaga     60
agactaaagg gagaggaatc agtctattca atgtaaggac tcatcatagc ctaatcaaga    120
cactgattgg ttttagcaaa aggatagaca cataagtcaa tggaacaaaa tgaagaaccc    180
agaaatagac ccacacaaat aagcataaat gattttgag aaatgtgcaa tcctttctca     240
atggagagag tatatggtct tttcaacaat tagtgctgga ccaatgggac atccataggc    300
aaaaaaattg aatcttgatc ttaacctcac acacaaaaaa acaactcaaa gtggatcatg    360
aacttaaact taaaatgcag aacaatgata cagttacaaa aaacctaaga gaagatattt    420
gggatctagg attaggtaaa aagctccaga cttgacacca aaagcaagga gtataaaagg    480
aaaaattgat acactggact tcattgaaat gaaatgtttt ttttgctttg aaaaactgtc    540
aagaggatga agaaagaagc taaagactag gaaaaaaata tttgcaaacc gtatgcctg     599
```

Run with FASTXY 3.3t00, default parameters


```
<400> 44
ttaatctctg gattcaatgt aatcccaatc aaaaccccag caaatccttg tgtgaaaatt      60
gacaagttga ttctaaaatt tatatggcac tgcaaagcac gtagaatagg caaggcaatg     120
tggaataaga acaaatatgg gggacttata caataagatt tcaagatttg ccataaagtt     180
agaataattg agatagtgtg gtattagctc cagggaagac aaaagatcaa gggaacaaaa     240
cagagtccag aaatagatcc aaacatatat agtcacttaa catatgacaa aagcaccact     300
gcaatccaaa ggaggaaaat ataccctttt c                                    331
```


```
<210> 45
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(352)
<223> similar to gi2072977 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```


```
<400> 45
cgataaaata gaaaaacttc taaaaaccag tgcctagatc aaagccttaa taaaaattct      60
cccatcaaag aaaagcccag gacctgactg ctttactgct gaattctacc aaacatttaa     120
agaattaatg ccaatcctat tcaaactctt aaaataaaaa aaaagaaaaa aagggaaaag     180
gggggaattt tttaaaaact atttttagag ggccggtttt ttctgaaaaa aaagcccggg     240
cagggacccc caaaaaggaa aaacttaagg cccgtttcca tgggaaacta tatttccaaa     300
aatccttaac aaatttttga accccccaatt tcattggtat ccggaaaaaa cattta        356
```


```
<210> 46
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (11)...(396)
<223> similar to gi2981631 in the genepept database release 114,
```

<400> 46

```
ngaagatcaa aagaaaatat caaacttgaa caacactata gatcaaataa acctaacaga    60
cagatataaa acattccacc caaaagtagc agaacacaca gtgtcctcaa gtgcaaacag   120
aacattctac agggttgatc acatgctagg tcagaaaaca agtcctaaca aatataagaa   180
gtttgaaata attccaagta tcttttccag ccacaatgga atgaaactaa atcaaaaaca   240
aaaagaaaaa aattcaaaaa tatgtggaaa ttaaacaata tattctggaa caactaatgg   300
gtcaaagaag aaaccaaaaa gggaaattag aaaatatctt gagacaaatt aaaacaaaaa   360
tctcccccaa aacttatggg atgcagcaaa agcc                              394
```

<210> 47
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(301)
<223> similar to gi804788 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 47

```
gcgacatttt aggggaaaa acaaaattat actagcataa atactataaa atcataaatt    60
tccttttaat ggagaaaatg aaaaactatt actgaaaggt atttaaaaag actaaataaa   120
tggagagatt caatattgta aagatgcaaa ttctcagcag agggacctac aaatttagtg   180
tagctccaat aaaaatacca agttcctata gactttctct agcagactct gaagtttaca   240
tcaaaaatca aagagccaag aatagcgaag tctctcctaa aaaagaatat ggtaggaggt   300
ttaccccact ggctatcaag agtcatgttt tag                               333
```

<210> 48
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (70)...(226)

<400> 48

```
aggggctctt cccctgggtg tgggcagtgt ggctgctgga ggacgctatg atgggctagt      60
gggcatgttc gaccctacag agtgctcaac aacttcattt ccaaccaaaa aaatggactt     120
taaggaagat ctttcaggaa tagctgaaat gttcaagacc ccagtgaagg agcttttgat     180
tgttntttga acatgtttga tagtggcttt taaatccgat aattcgtgag taataaatcg     240
cttatatact gtgctccatc ttgattgtta attgatttat gaagctattg tgctttatat     300
gatcatgatt tgtgaaattt tagtttgata taaatatcta g                         341
```


<210> 49
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5)...(339)

<400> 49

```
ccacaatacc cctcttttag cactgaacag atcatccaga cagaaaatca acaaagaaac      60
atcagattta atgggctctg cagatcaaat aagactaaca aacatttaca gaacatttca     120
tccaacaact gaagaataca cattcttata agcacatgga acattctcca ggatagacta     180
tatgttaggc cacaaaacaa gtttcaacaa attttcaaaa aattaaaatc atatcaagta     240
attttcataa cagtatggta taaaattaaa atcaatacca agagcagttt tggaaactat     300
gcaaaaacat ggcaattaaa caacatgctc ctgaacan                             338
```


<210> 50
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (259)...(333)

28

<400> 50

```
aggtcaggac aggcccaggt taggccaagc caaggttagg acaaggccat gataggccca      60
tgcccaagcc agggcagggt tagggtagcc cagggcatgc caaaatcagg gcagggccat     120
agcagtggca ggactagcac tagggccagg gcaagctgct ggaccacagc atggtgggga     180
caattcaggg ccaggacaga ggatggcaag gcaggtccag ggccatttca tggactcggt     240
aggcttgggg tcaggccagg gcagggcaaa ggcaaggcca gggagaaggc aaggccgggg     300
ccaaggcagt gccagggcag ggcaggacca gtgcacccccc aacgcagggt gagggcaagg     360
ccagggc                                                               367
```

<210> 51
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(368)

<400> 51

```
cagaaatcaa ttgtatttct gtacattagc agtgaacaaa aatgaaatta agaattccat      60
ttataattgc atctagaaat taagaaaata agcggtaaaa aaatggtact ctgagaccta     120
ccaaaaatta ttgaaagaaa ttaaagaatt agacatccca tgttcatgga tctagatgac     180
ttaatattgt tgagatgtca gtattatccc aaatgatcta cagattcaag gcaatctcag     240
ctgccatttt tcttcttcag aaaaggcaaa gctgatccta aaagttacat ggaaattcag     300
ggtagtcaga atttttaaaa cagctttgaa aaagaacaac aaaagtgaag gagtcacagt     360
tcttga                                                                366
```

<210> 52
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(328)

<400> 52

```
catgataact accatgtaga ccaatcgtat acaggtccaa gaaataagtc tgagtatata        60
tagccaactg attattgaga aaggtattcc aaaaatatgt tgaggggaag gacagtttct       120
tcagtatata gtggtggaaa atctgtatat ccatatgtgg aagaattaga ttagactcat       180
agttctcccc atgcacaaca ttcatctcaa gatggatttc ggaatcaaat ataagaccct       240
ggaattatag agctcccaga agaaagtatg ggagaaatgc ttcagggcat tggtctgggc       300
aaagatttta tggctaagcc ctcaaaaacg taa                                    333
```

<210> 53
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(397)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 53

```
caaagggtca atttaaaaaa ttaagatgga aaggtaaaat ttccttgaaa atacaaaaac        60
ggtaatacaa cataccaaaa tctatgggat acagcaaaag cagtactaag aaagatgttt       120
atagcaataa atgcctacat taaaaaagta aaaagacttc aaatgaacaa tctaataatg       180
gtgcatgtta aggaactaga agagcaagaa caaatcaaat ccaaaattgg tagaggaaaa       240
gaaataataa agaccagagc agaaataaat gaaattgaaa ctagaaaaaa aatacagaag       300
gtcaatgaaa caaaaagttt actgtttgaa aatattgaca aaccttgacc aaggctaaga       360
taaaaagaga gaagacccaa ataaataaaa tcagagatta gag                        403
```

<210> 54
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(296)
<223> similar to gi1335196 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 54

```
aaataatatg agagctgtgg ctatactaat atcagacaaa acagacttta agtcaattct      60
gtctgttaaa tactgttaca agagacgaag gacataatga taaaagggtc aattcaccaa     120
gaagatataa taactataaa tatatatgca ccacacatta gagctcctaa atataggaaa     180
caccccctga cagaactgaa ggtagaaacc aacagcaaca caataataga aggagatttc     240
aacactgcta tttcaatgat ggatggaaca accagacaga agataaataa ggaaaacaga     300
ggatctgaac aacactatgg actaagtggg ctga                                 334
```

<210> 55
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (35)...(331)
<223> similar to gi5305335 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 55
```
agaactgagg aaaacctcca atgcaatcca caatccaatc ccttgactct ctgtaccggg      60
caaggcgcca agcaccagcc ccagcgcgcc gcacctgccg gggccgcgat ctcccagctc     120
atcgagtccc tcgcgcccgt ggccctttgt gccaggcggg ctgcgtcccc tcaagtcgtc     180
tccaccgcgg ctccagctcc cgccactgcc cgggctggag acctgacaac ttttctgaac     240
cgccgtctcc atctcgcacc cttcccgggc tccaggaccg tcccctgtgc gccctcatct     300
gcaccgtcgc cgtccgactc cggagccgga gaccgcgctg ggcgcaggag gagagagagc     360
gcgggcgccg gggaggggaa atctctccgg gactgctgct ggcggacgag ggacggagag     420
gagatgggac cgcacttacc cggagctgga actgcctgtc cgcgtggacc cgctcctctg     480
gcgcggaaac tccgtgtctg cagactccct cagccctgga gacttctgcc ggaaacccgg     540
gacaccaaga ggggcccagc ccttccccac ctctctcctg accgttactc cggacaggta     600
gggtctgcgc tcctcttcct ctctaaattg cgggtcacat ttgcggatgc cagaggagct     660
cgtgccttcg gaaattaaaa atcctatcca gttgattcgg acccatcttc cggacgaaa      719
```

<210> 56
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (6)...(475)
<223> similar to gi206712 in the genepept database release 114,

31

```
        <400> 56
cgcctggctg cgggcccctc ggcggtccca gggcccacag ggaccgtcct cctccggccc      60
tctgcgaagc ctcttctctg cctcaggcac cgccctgttc ttctccaagg tctggggtac     120
agcagcgccc tccaggcccg gcgtggccca gggcaggaag cgcacggcct gcgccggggg     180
ctcccgcttc cgaccggggg gtgctttcgt cctggcctct gggggatcgg cggcggggggg    240
cggcacaggg ctcctgcact cctggatggc tctgctccgg gtcagcggga attggtcccg     300
acgcctaacc tcttgaagcg gcgccctcca acggctctct cctgcccgcc ggcccgcggc     360
tcctgggcct cccaggctag tcccccggct tctgcgagcg cacgtgtggt gtagagccgc     420
acaattagan ggcaggttcc tagcgacaat cagagatctc catagtcatc acgat          475
```

        <210> 57
        <211> 602
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(562)
        <223> similar to gi5640017 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

```
        <400> 57
cgacatcaga aaactcacac tgcagaaaga ccttatgagt gcagagaatg tgggaaattc      60
ttctccagtc tccttgaaca caggagagtt cacactggag aaaggcctta tgaatgcagg     120
gaatgtggaa aaacatttac tcgaaggtct gcgcatttta aacatcagag acttcatact     180
cgaggaaagc cttacgagtg cagcgaatgt gggaaatcct ttgctgaaac cttcagtctt     240
actgaacaca ggagagtaca cactggagaa aggccttatg agtgcagtga atgtggaaaa     300
tcatttcatc gaagctcttc tctccttcga catcagagag ttcacacaga aagaagtcct     360
tacaagtgaa aagaaatttg ggaaattctt tagctaaacc tctgtgcatc ttcttgatca     420
gagggttctt actggatcag gaccttatga gtgtgacaaa cgtgggatat tctttatgca     480
gaagtcttgt tttattacat acagaagagc tcccactgca gaagggcctc ttgagtgcga     540
tgaatgtgag aaagccttct gccttctgtc attggataac agattgttct cataaggaaa     600
ac                                                                     602
```

        <210> 58
        <211> 739
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature

<222> (140)...(739)
<223> similar to gi1778844 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 58
cttctactca agacatttgt ccacatacat gcagcatgtc ctggcccact cagttcccac   60
cgcagacacc tggtcacacc acccactgaa atttggtcac ttccacattc tcagccacat   120
acaaagaacg gggcccagac aacccactag agccgcacat gcgtggccac acccagtgac   180
agctatgttt cctcaggcgc ccgcccaaga tactgacgtc acaggcccac ccagatagaa   240
tcacacccag agttcaccca tttgctgacc cagtcccaca cgacacaatc gcagctatat   300
acacttgtta cacgtatctc cactgctgca cactgacatc tggtcacaga tgcacacgga   360
cagacacaca tttggtccca cggagaccac atgcagcctc aaccagacca gtcacaccaa   420
cacactgttt ttggccacac actgtcacgt ggtcacacat actcagtcat aggtgctcaa   480
atctggtcac agcatcagtc acacagtcta ttgtgacagc cacactcata gggacagtcc   540
tctatacaca accacataca gaggtactga tggccacagc atgcaaccac ccacaaacaa   600
ctgtccccaa ggatggcctc cctcaagaca cagccatggt ggtcctatag gaatggccac   660
agcatcaatg tccatgtgac ccagccacct atcatggtca taatcccgtc acccagtgtc   720
catacacagc tgtagcatg   739

<210> 59
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(404)
<223> similar to gi1545952 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 59
agtacaacaa ctcgaagggg acactatata cgacgctgtg gaacatggct tactggacgc   60
atagaatggt gtgaaattcc taacattgcc accactgtta cttctaccac tgatgatatc   120
tatgtatgac ccttagacgg accaaactat caagatcact gaccggtgcg aattcccaga   180
gcatgtacca cttggtgaat tattgcggat aacagatcct attgaccctg cagattatat   240
ccttcatgca gtcctgggat catagtggac attatcatgg tggacattat gtggtttatc   300
tagacccctg aggggatggc gcatggcgta aatttgatga ctacgtggtg caatgtgtac   360
tcatgaggat gcacttgatc acgattatgg gggtcccgat ca   402

<210> 60
<211> 386
<212> DNA
<213> Homo sapiens

33

```
<220>
<221> misc_feature
<222> (3)...(382)
<223> similar to gi4235275 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters




      <400> 60
agggagagca gatatcccag ctgattgcag gctacattga catcatcctg aaaaagaaac      60
aatggaaaga gcgatttgga ctagaaggtg atgaggagtc aaccatgtta gaatagtccg     120
attcctcaac tgagtccacc atcttgcatc agcagttcaa ccggaccgcg aaggcagagc     180
acggctcagt gacgctgccg gacgcgatgc gctcgggctt cagcgtgcct gagaccttca     240
acgttggcag catgcccttg ccaagcagca ggtcatggtt gggcagatgc accgaggcca     300
catgcctgca ctgacctcaa cccaacatgc cctgatgggg accatttaca caagcatgca   , 360
cgccgtccag caggcccagg atgatg                                           386




          <210> 61
          <211> 1136
          <212> DNA
          <213> Homo sapiens


          <220>
          <221> misc_feature
          <222> (1)...(1137)
          <223> n = a,t,c or g


          <220>
          <221> misc_feature
          <222> (39)...(1136)
          <223> similar to gi414797 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters




      <400> 61
tgggcaggcc gggggtgagg gctcgcgctc cgggagctgc acggggctgc gtggaaagag      60
cgccgagcgg tggcgtcgtt gtcgccccct cctcgtcggg aagaatcgtt tggtctcctg     120
ccgtgcccgg aatcccagtc agaagttcca gcctgccact gttctctgat gccatgccag     180
caccaactca actgtttttt cctctcatcc gtaactgtga actgagcagg atctatggca     240
ctgcatgtta ctgccaccac aaacatctct gttgttcctc atcgtacatt cctcagagtc     300
gactgagata cacacctcat ccagcatatg ctaccttttg caggccaaag gagaactggt     360
ggcagtacac ccaaggaagg agatatgctt ccacaccaca gaaattttac ctcacacctc     420 .
cacaagtcaa tagcatcctt aaagctaatg aatacagttt caaagtgcca gaatttgacg     480
gcaaaaatgt cagttctatc cttggatttg acagcaatca gctgcctgca aatgcaccca     540
ttgaggaccg gagaagtgca gcaacctgct tgcagaccag agggatgctt ttgggggttt     600
ttgatggcca tgcaggttgt gcttgttccc aggcagtcag tgaaagactc ttttattata     660
ttgctgtctc tttgttaccc catgagactt tgctagagat tgaaaatgca gtggagagcg     720
gccgggcact gctacccatt ctccagtggc acaagcaccc caatgattac·tttagtaagg     780
aggcatccaa attgtacttt aacagcttga ggacttactg gcaagagctt atagacctca     840
```

34

```
acactggtga gtcgactgat attgatgtta aggaggctct aattaatgcc ttcaagaggc      900
ttgataatga catctccttg gaggcgcaag ttggtgatcc taattctttt ctcaactacc      960
tggtgcttcg agtggcattt tctggagcca ctgcttgtgt ggcccatgtg gatggtgttg     1020
accttcatgt ggccaatact ggcgatagca gagccatgct gggtgtgcag gaagaggacg     1080
gctcatgggt cagcagtcac ggtgtcttaa tngaccacaa tggttcaaaa tgaaag         1136
```

```
<400> 62
caagatacag aaatagaact tcatcttcag ctaaaagttg agagatggga aaaaatattt       60
ttttaaaacc ctttatgctt acaatcagct gatttttac acaggtgcca agacaattca      120
atggggaaag aataatgttt tcaatacatg gtgtaagcac aactggatat acacatgcaa      180
aagaatgaag ttggatccct atcttaaact atataaaaac attaaatgat tgaaaggctt      240
aaatctcaga actaaaatta taaaactctt agaagaaaat gcagaggcaa atctttgtga      300
ccttggattt gacagtggtt tcttacatat tatacccccca gaagcccatt caggaaagta     360
ttgaaaaatc tgacttatat caaaattaga acagat                                396
```

```
<400> 63
cccttgtcag aaaggtaaat ctgagcaatg tcaagaattg taaagggtcc aaaatttacc       60
ctattggaag ttaatgtatt agcttgccac agtctattgt ctctagttgt tgttttgtcg      120
ctcatttttt tgtctgaatt tttatagttt attcttctaa gctgttttct ggttctttat      180
tgtctttct agtttctttt tttaatatgt atgatccgtt atgtttctc atttattttg        240
attacttcgg ttatttaatt gttgtatgtt tatcttgtcc gttatctttt ttgattttgt      300
```

35

```
taatgtcttt tctttcgtta tcgtgtgtct ctgtgttttg atttattctt aggtttcgtt    360
tttgtctatt ttgtttcgta tagtgtttat tttattgttg                          400
```

<210> 64
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)...(374)
<223> similar to gi5052950 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 64
```
agcgagttga gcaagagcaa tggggagaaa gcttattcaa acaaattata gcagaaaact     60
tttgaaaact tgagaaagag ataaataccc aggtaaagga aggtcagcaa aaactccaaa    120
cagattgatc ccaaataaga ataccccaag tactacaata attaattctc aaaagtcagt    180
aagaaagaga ttatactatg agcaacaaga gaaaagaggc aaataatgta taaaggagcg    240
ctccaattca tgtagcaaca gaattctcaa tcaaaaccat acaggccagg agggagtgaa    300
atgacagtat taacatgttg aaagaaaaaa aacctgccat tcaagaatac catattcagc    360
caaacttatt ctta                                                      374
```

<210> 65
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(262)
<223> similar to gi439877 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 65
```
tgacctcaca ctatacacaa aaattaactt aaaatggata atagacccag ctgtaagagt     60
taagactata aaagtcttca aagaaaacat aggagaaaaa tcttcattcc tttgggttag    120
gcagagtttt ccccaaaaca ccaccaaaag cttgatcaat aaaaaataat acattggact    180
gcatcaaaat ttaaaatatt tgcttttcaa gacatcatta agaagatttt tttaaagcct    240
caggctggga gaaaatacag tcatgtggca gctaatgacc aggttacttt ctgagaaatg    300
tgccattaaa cattgtcatc attgtatgaa catcatagag                          340
```

<210> 66
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(342)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 66
```
aacaccacac atcagtattc ctgatcaaga ttttttttaaa tcaatattca acaaaatact      60
ggccaacagg attcagtggg acattgaaag gattacacat catggccaag taagatttac     120
agctggtatg caaagatgtt tcaacatgct caagtcaata aatgtaatgt ctattacatt     180
aatagaatga aggaaaaaaa tgtgatctcc attgatggag aaaaagcatt tgagacaatg     240
tcatgccctt tcatgataaa aactcaacaa ttgggaatag aaggaaacaa cctaaaatag     300
aggccatatg aacatcccac tgtaaacatc atattcaata agactgaaag gacttt         356
```


<210> 67
<211> 343
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(346)
<223> similar to gi2414492 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 67
```
cacaagtctg caggaggagc actgcaacag cacgttgcgt gtggtcaacg gtctcaccgt      60
cgtgcactaa gactggctga acggtacgga gtacaagcgc aaggtctcta actaaggcct     120
tccaacctgc atccatagaa ccatctccaa aaccaaaggg catcccctta gaaccacagg     180
tgtacaccct gcccccattc tgggaggaga tgacctagaa ccaggtcagc ctgacctgtc     240
tggtcaaagg cttctacccc agcgacatcg ccgtggagtg ggagagcaat gggcagccgg     300
agaacaacta ctagaccaca ccttccatgc tggactccga cgg                      343
```


<210> 68
<211> 295

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(287)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 68
caagactgtg gtatttgcaa aagagacaaa tccatcagtg gaacagactg gggagcccag   60
aaatagacca cgcaaatata caaaagaaca aggcaatatg atggagaaaa gatagtcttt   120
tcaagaaatg gtgctggaac aactgaataa gtacatttt aaaaaacgaa tccatatata   180
gatgttatgt cctttacaaa aatgaattca gaatgtatca cgaacataaa cataaagcac   240
aaagctatca agcttcaaca agataatcca gatgacctcg tattttgcaa tgaaa   295

<210> 69
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (62)...(321)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 69
cagaattagt tacacatctt ctcctccccc tcatcacacc taatgaccaa cttgcaattc   60
ccccatcact gcgactctgg ttctgctggt ttaacagtct cagcacccaa gtgaagaatg   120
atttcaccaa gggactcaac aatacctcca ctgatttgga agcttaaaact gcaacctagc   180
aattctgaac tcctcatgac acagaacagg gacaaaaagg gaggtgacag aattggttgt   240
gttaatgaat cttgattatc aagggtaaag aagattgttg caacaggatg agagaaggga   300
ggtgtgtgtc tggaacctgg aacacctgtt g   331

<210> 70
<211> 305
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(306)

<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(234)
<223> similar to gi1916229 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 70

```
aagaaacaag attgcctttg ttcacagatg acaagattgt ctatgtagaa aattgaaaat      60
aataaagaaa atcgaaaata ataaagaaaa tccctggaac taataagcaa gtattacaag     120
gttgcaggat acaaggttaa tataaaaaag tccattgttt tcctatagat catcaatgaa     180
taaatggaat ctgaaataaa tacacaattg ccatacatta gtcctcaaaa attccctact     240
atggaactcc ttaattatgt ccggatataa tgaatcatta aaaaggacct acttacatat     300
aaatn                                                                  305
```

<210> 71
<211> 324
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(311)
<223> similar to gi1335196 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 71

```
atgagaacac aaaagaataa taacaaaatg atacaggagt caattctgca aggagtcata      60
acaatcctta atgtatatgt tcctaacaag aaagcatcaa aatacatgag gctaaaacta     120
atgcaactgc aaggaatcca ctattgtagt tggactcttc atcactcctc tgtcagtaac     180
tgacagatct agcaggcaga aaatcagtaa taatatggtt gaactgaaga gccacatcaa     240
tcaactgaat ctaactgatg ttaatatact atatccaaaa ccagtcaaat aaacattctt     300
ctcaagttca cttggaatat tcac                                             324
```

<210> 72
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(320)

39

<400> 72

```
cagaccaatg cgcgaacatc tacaaaacac tgctgggaga aatgaaagat gtaagtagag        60
tggagagata ttcatatact tgaagactca atattgttga gatgttaatt tttcccaaac       120
tgatctacag attcaatgca atcccaataa aaaaccccag cagggttttt ttgtttttaag      180
tagaaattgc caatctggtt ctaaaattca cgtggaaatt caaaatatcc agaagagtca       240
aaccagttga aaaagaataa agctagagag ctaatactac atgatctcat ggcttattat       300
aaagattcag caatcaaaag agtatgccat tagccaggtg aggtggcac                   349
```

<210> 73
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(342)

<400> 73

```
gctcctggaa ctgataaatg gcttcccagt tttaagatac aaaagcaatg tacaaaaatc        60
agtagcaatt ctatatacca gtaaccctca agctgagagc caagtaaaga atgcagtccc       120
atttgcaata gctacaaaaa aaagaaaaag ataaagtacc taagaataca tttaaccaag       180
taggtaaaag atctcaacaa ggagagctac aaacgctgat aaaagaaatc acaggtgaca       240
caaacaaaag gaaaaaaatt tcatgctcat ggattagaag aatcaatact gttgaaacag       300
ccatactgta caaatcaatc tacacattca gcataattc                             339
```

<210> 74
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(322)

```
        <400> 74
atttataatc actccaaaaa attaaaatac ttacatataa agcaaataac aggtatagga      60
tttacatgct gaaaattaca gagtgctaat gaaagaaatc aaggaagatt taaatagaca     120
tatcaggtga atggattaga agactcaata ttatagatat caattctccc caaatttatc     180
taaaagttta aatacaattc ctatcaaaat tgcagtaaag ttttttgcag atatagacaa     240
gtatattcta aaatgcatac ataaaggcaa atgatctaga atagctaaac aattttctaa     300
aagaataaag gaaaaatcac tgttcaatgt taacttaa                             338




        <210> 75
        <211> 719
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(650)
        <223> similar to gi1405421 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 75
ctcatgaaag cctgaaaccc ctgccttccc taaatgttgg tgcccatggc cctaagccag      60
ctccagtgct cccagcacat cctctcccca ggcggatgag aacccaccag tgggtggtca     120
tccctcctac actgaccagc ccgaaccctg ggctctgagc cagacctggt gagcctcaga     180
cccgtttcca aacttcctgg atggccctgg gggcccacag atagaggttg ctcatgcctg     240
ccccacgctg gggtgattaa tgccccctgc aggtgcctgc ccctcaccag ggtcccaagc     300
tgccgacggc tttgtcatcc atccagtcac ccagggagat cctggaggca ttcctcccgc     360
ctcctcaccc tgacatccac tgtctgccag atctctcctg ccctcttctc tcttctctac     420
agctggggtc cagctcctct tcccccctgga tgatgcccct tgcctgctca caatccttcc     480
atggctcccc agtgtcctca tgataagcac cgagcactcc aggcccttgg caggcgggcc     540
atccgcatca ccagcctttc cacccagcac tggcggctgg gcccccttcag gctgctggcc     600
ccccacacac catgttcttt cctcccactc cttccaatcc ctccagtcaa agtcctttca     660
gacctctcta agccccaacc ttccatctca gcccccaaat cctgctgtct ctgacgaaa      719




        <210> 76
        <211> 307
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(307)
        <223> similar to gi4322304 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 76
tgagagtgat  gatgatgatg  agtttaacaa  acttcctagt  gacgctaaag  ggaatgctca      60
cagatgagat  acgaagtgcg  atgggtcaga  ggaggatgag  gatcacagtg  aaaaaagtat     120
agagcgccca  agaatgcttc  cttttggaga  aagtggtgat  gaatcagatg  attttttgca     180
atctagcaaa  ggacagaaac  aagctctgac  agacaagcca  ggtcctagca  cagaaagcgg     240
gaatggatat  gacgacgcct  acttcaggat  tgcacagtgg  ccgcactaaa  tgtcaacaat     300
aaggagc                                                                    307




        <210> 77
        <211> 328
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(328)
        <223> similar to gi183817 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 77
acctcaaggg  cacctttgcc  acactgagtg  aactgcactg  tgacaagctg  cacgtgaatc      60
ctgagaactt  cagtctcctg  gacaacgtgc  atggtctgtg  tgctgaccca  tcgctatggc     120
aaataattca  ccccatcagt  gcagactgcc  tatcagaaat  tggtggctgg  tgtggctaat     180
gccctggccc  ccaagtatcc  ataagctagc  tttcttgctg  tccaatttct  attaaaggtt     240
cctatgttcc  ctaagtgcta  cttctaagct  ggggaatatt  atcaagggcc  ttaagcatat     300
ggcccctgcg  taataaaaaa  catttatt                                           328




        <210> 78
        <211> 412
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (34)...(411)
        <223> similar to gi334749 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 78
cggcagtcta  gtagagacca  cacaattcca  tcactcagag  tttactagca  ctcagagagc      60
tgaggttact  ctgtttattt  attaaagaac  ttttacagca  tgaagttagc  tctggagacc     120
```

```
actctgtgtg ctctttttct ccgacttcag caattgctac accaacgtac acatcctgtt      180
tttattacac acattcgagc ccacagctct ctgcctggcc cattggctta tggcaatgat      240
caagcagctc ttcaggttgt aacatcactg ctagaccaag ccacccaatt gcatcaattt      300
ttctactaaa attagagaaa ctcatcttaa acaacttcaa cttatacaga gattggctaa      360
acaaattatc tgacggtgcc cagattgcca gctcacaggc acagcccctc tt             412
```

<210> 79
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(333)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 79
```
agaaaatctc agcttgcttt acaaagggtg ctgcataaaa taccggcacc atccaaaagc       60
atctgcaata ctacagcccc atgcagaggt gtccctgaag aagggttgtt aaaggaaatc      120
ctctgcgtag gcataacttc aggcaatgta cttggtggtt tgttctacct ggagggagag      180
atggccggaa gtacagatct acactgattt atgagtggtg actaacagtt tgattgtatg      240
ctgaggttat gtagaagaaa aatgattaga aaagtgttga taaggagatc tagggaacag      300
gtatgtagac agacctctcc aactgggcat aaa                                    333
```

<210> 80
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(312)
<223> similar to gi1196432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 80
```
ccaataacag ctgaagattt caacaaccca ctttcagcaa tggacaaatc ttcttgacag       60
gaaatccgca aagaaacctc agatttaatc tgcactacag acaaaatggg cctaatagat      120
atttacagaa catctcattc aatggctgca gatacacatt cttctcctga gcatatggat      180
cattgtcaag gatagacttt aggttaagtc ataaaacaag ccttataaca tttaaacaaa      240
aaatctgaaa taatatcaag catcttctct caccacaatg gaataaacct agaaatcaat      300
aacaagagca attttgg                                                      317
```

43

<210> 81
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (141)...(303)
<223> similar to gi2662397 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 81
gttcgaatta tgatttaatg atggatacac cgaagtaagt gttgttatat aaaatcactg   60
tataagccta atgagttaat agatgcaggt acagatatat aagatggctg gacaaagacc   120
tccagactgg ctgaagaatt ataacattgt gctgcataac atttcaaact gatggcgcat   180
ctgctatgtt aatcatggcg gaggataagg ctctaggcca tgggttataa gccgaaggca   240
tatatgaggt aaagcagatg tgtcaaacaa atcatctctg acatctttat tatagtacca   300
cagctcacct ctctgaactt ttacctagg   329

<210> 82
<211> 327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (232)...(246)
<223> similar to gi1196433 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 82
tagaaaacaa atggagcaag aattaggcga tactcaaaat aataaaaata cttagaatta   60
acttaatcag aggcaaaaga cttggataac aaaaaaattc aaaactgctg aaagaaatta   120
aagaagacat aaataaatgg aaacacatcc cacattcatg aactggaaga cttaatattg   180
ttgacatgtc aacattatcc aaagcaacct acagactcaa tgcaatccct atcaaaatcc   240
caacaaggga tagtaatctt gaaacaaggg acaatagaca aaataatctt gaaaaagaat   300
aaagctgaag cactcccatt tcctgat   327

44

```
<210> 83
<211> 297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (68)...(292)
<223> similar to gi244774 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 83
caaaattcat atgaaaatgc ttttgcattg taaaagagga atgaagttca gaggctccta       60
cttcccgatt tcaaaacact actaagctac aataatcaag acaaagtggt actggcgtaa      120
gcatagacat gttgatcaat ggaatagaat cgagactcca gaaataaatt ggtatattta      180
cagtcaattg agttcagtaa ggataggaag aaaattgaat gagttaagat taatcttttc      240
agtaaattct gcttgggcaa ttggatatgc acatgtaaaa gaatgaagtt ggtctcc        297



<210> 84
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(284)
<223> similar to gi3599347 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 84
aacagtgtga tgctggcata ggagcagaca tacagatcaa tggaactgat ccgacagtct       60
agaagtaaat ccatgtatta tatatttatg gtcaaattgt tttccacaga ctaccaagac      120
aattcaacag ggaaattatc ttttcaacaa ctggtgccag gaaaatggtc cacatgcaaa      180
agaatgaaac tgggtctcct aactcacacc acacgtaaaa agtaatcaaa atggatcaaa      240
gatctaaatg gaagggataa aactgtgaaa cttttagaaa agataaatgt aaatc          295




<210> 85
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

45

<222> (37)...(391)
<223> similar to gi483916 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 85
ggcacgagag ctggcttttt tccataaatt ataaacctaa aattcatatg gaaatgcaag   60
aaacacaata gttaaaacaa actggaaaat gaagatagat gactcatact tcctgatttt   120
caaacttact gcaaagctat acagtgatgt aatggtataa gatgaacata caggtcattg   180
taatagaatg gagtctctag aaataaaccc ttacatttat gaactgttta ttttttgaaaa   240
gggtaccaag actattcagt gggaaagaag aatcttttca acaaaaggtg cttggacaac   300
tgaatatcta catgcaaaat aatgaatttg gaccttttacc tcacaccatg tacaaaatta   360
acttaatgga tcatctacca aaaagtaaaa ctataaaata tatattctta gagg   414

<210> 86
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(334)
<223> similar to gi3776069 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 86
ggcacgagga accagaagcc agttcctgct gttcctgtcg agaagtctgg cacatcaggt   60
ggtcctccca tggcaggagg gaagaaaccc agcaaacgtc cagcctggga cttaacgggc   120
cagcaatggg acctacatgc agaacttgaa cgtagcacat gaaagactcg gacggtgcac   180
ctggagaacc atacctttta ggaccggctc gtaaattgcc attgtcagag caaggccctg   240
gtgacagagc gcacaacact ggaggggcta tttagccaag gcacaggcca atgctgaaca   300
aggacaactg gagctgtcta aattgcgagc tagtgccacg tacgtctatg atcatatgaa   360
gaatctcctc gatttggggc gaaaag   386

<210> 87
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(382)
<223> similar to gi56525 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

46

<400> 87
```
ggcacgaggg agtggctatg ttaatatcag ataaagtaga cttcagagca aagacaatta      60
tcagagatag ggagataatg ataaaagggt caatctgcca gtaagacata atagtcctaa     120
atgtatatag accaaacaat gaaattgcaa aatatgtgaa gaaaaactca tagaacttaa     180
aggagagaaa cagatgattc acagtcatag ccagagactt caatattctt ctttcaacaa     240
ttttgataga actagacaga aaaccagcaa ggatataggt gaactcaaca ccactaactg     300
acaaaatcta gttgacactt acagaacact ctacctaata agaatacaca ttctttttaaa    360
gtgcttatgg aaaatatata tcaagataga gtatatcctg agccataaaa at            412
```

<210> 88
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (350)...(778)
<223> similar to gi395145 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 88
```
ggcacgagcc agccaaaggt aaactcactg aaaactctgt taaatgctag atgatcatac      60
aagccaccat agtgaaggtg ggcggaagac aagacaccat agtgaaggtg ggaggaagac     120
aagacaccat agtgaaggtg ggaggaagac acacttgatg ttttccaagg ccacacattt     180
actaaggtgg cagaagtgga aataatccca gggtcatctg ctttggggcc agtgttcctc     240
ccaggtgagt ccatgaggtt tagacagagg agggtcagcc atagaagtgg agaggatttc     300
tctggggcca gacagtgtgt tgtttattcc acagagactc caagcacccc aagtactgca     360
tcgagctgag cgcccagcct gtgggactta tccgggtaca caaggtccta gtggtgggca     420
gcacccaaga cagcctgcat ggcttcaccc acaaggtgca gcccccagca agcagcagcc     480
cctccacgcc tatgtcccta gcccccactt ggcaagagag tcctctggct tccccacccc     540
agaaaccgtt ctttccactg taagccctga gccctccaca gacgctggct gttccctgcc     600
aggggaagaa gctgtggaca gtgcagatgc ccgcagccat cctgaccatg aacctcctgg     660
agcagcattc ccggggcctg caggccgtca tggctgggct ggccaatgga gaggtccgca     720
tttatcgtga caaggccctg ctcaatgtca tccacacccc ggatgcagtg accagccttt     780
gctttggccg gtacgggcgg                                              800
```

<210> 89
<211> 431
<212> DNA
<213> Homo sapiens

<220>
```

47

<221> misc_feature
<222> (9)...(431)
<223> similar to gi1656045 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 89
ggcacgaggg acatcattca aacaaaccag aatatattca gatgctaatg cctccactga      60
cccagaaatg gaacatgtta aatggtgaag ataaggatct cttcccttta cctgagtgcc     120
tatcttcagt tgccacagca ctgcactctg gctttcttcc atactgtgaa cctgtgtaag     180
agacaatgag gaaaacttgc ccaagccatg ctaaccaatg ctcaaccaga tcaatatgaa     240
cctccacata acgattctat gctagcgtct cttgatttac tgacgggcct ggctcgaaga     300
ctcgaacgca acatttccac atctggtacg cccaagtaac actctaacac taatgcattc     360
acggatgcta gattaaatgc tcaaaatccc acagagctat tctaccctct taaggacctc     420
accaaacctg g                                                         431


<210> 90
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(258)
<223> similar to gi189597 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 90
ggcacgagcg tgactaagat ggaagcgttt ttggggtccc ggtgcgcact gtggtactca      60
gagtattgct ttcctgaaga actcactcac accttcatga gctgcaatct cattactgga     120
atgcatcagc gactggacta gctgaggact aatgcctctt tcagcgtcat ccttgttgtg     180
accggcaatt gcagcttcat cgctggcgtc tggaggctct acaatcttga cattcgcatt     240
atgattaata ccgatcttat cagagtcttg aaaagcccat agatccacag agcccttcga     300
gcaccacgca tgaagatcca tcctagagtc ctagataata acccactgaa caacttgaga     360
atccg                                                                365


<210> 91
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(399)

<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (69)...(393)
<223> similar to gi296669 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 91
ggcacgagat attttaatta tttgcttttt attttttgtg tatctgttac ttttggtttt      60
ttttttttggg ggcaaagcca aaacctggct caatggccca gccggaaggc caggggcaaa    120
acccgggcaa acggaacccc ccgcccccgg ggtcaaggca atccccaacc ctaacccaac     180
ggagaaccta ggactacggg ccccggccac aagcccgggc aaattttgga attttaaaaa     240
aaaccggggt ttccccaggt gggcaaggcg ggcccaaacc cccggacctg gaaaccccccc    300
ggccaaaccc cccaaagggg cgggaatcac gggctggacc caccgcccca agctcggcaa     360
caggtttttg aaccggaaat acccaggggg ctggcaan                             398


<210> 92
<211> 292
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(287)
<223> similar to gi763431 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 92
gaacctcccc cgattggtga gaccagaggt tgatgtgatg tgcactgctt ttcatgccta      60
tgtagaggca ttttgataa attacttata tgttatagcc agcagccatc cttcatcctt      120
agttttatgc cccggaactc ctgttctttg ctaaaaggta gaagctgctt ttgcagaatg     180
ttgccaagct gctattaccg cttgcctgcc tgttgccaaa gctcgatgaa cttcgggatg     240
aagggaaggc ttccgtctgc caaacagaga ctcaagtgtg ccagctcgtg cc             292


<210> 93
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(180)

<223> similar to gi4165018 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters


<400> 93

```
ggctcgaggt cttagtattg cacgagctca ttatgttata tttcatacca tttatggata      60
tcactttatg ctattgtaac atatattcca ttctaattat tgtctgagtc aagacaagaa     120
ttactcttac taaggtaaag caaagcctac aaattcaaaa cctgagtcta tacaaatctg     180
ttagcagttt gagtggctgg gcttcaatat tatactctgg atgtgataca atagataaag     240
tttttttacgt ctgtaaaaaa aaggaagagc aaaagactct tgggaacatg tgaaatctta     300
aatgaagatt aagtacaacc aaatgtaaac atattttaaa aggttcttct tggacatcat     360
aatttgctct cctatgaaga tgtcatcgtt tgagccttta atgttggaaa tagcttacag     420
atgttggggc agaaaccaaa gaccaacatt gccatgttct gtgagaccac gtccaagtgg     480
atgattgctg gataggtatg tttcatgcat aacatttagt tcataaaatt atatgctact     540
ttaggaggtc cagggcccat ggattaatga aacaa                                575
```


<210> 94
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(359)
<223> similar to gi2645431 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 94

```
cgctctactc cattagctta gtggccagtt aatgattgac cagagatttc gttaaatgct      60
atgagcctgt aagtctacca gcctttgttg aagggctggg tatgtgttgt tggggcacgt     120
ttcaatgctc tggaaggcaa ttgacaactc tgccttaact ttcagttcct gcttgcacag     180
ttgctcaagg tctttctcag gctcagacaa atgacagtga ctctgacagt gagtccaaga     240
ggcaggccca gagatcctct gcttctgaga gtgagacaga agagtctgat gatgacaaga     300
agccaaagcg cagagggtgt cccaggagcg tgcggaagga cccttttgaga tctttcctct     360
gcatggacac agacctgcac atgtcagagc ttttcagagt atctatccta tgaacatctt     420
tcctcccagc tcgtgcc                                                     437
```


<210> 95
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (4)...(470)
<223> similar to gi35315 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 95
ccgcggcgcc tcgacacgag cgacgtcctg cagcagatca tggccatcac cgaccagagc   60
ctggacgagg cacaggccag aaagcatgct ctgaattgcc atcggatgaa gcctgctctg   120
ttcagcgtgc tctgtgagat caaggaaaag acagtggtaa gcatccgtgg cattcaagac   180
gaagatcccc ctgacgccca gctcctgagg ctggataaca tgctgctggc tgagggcgtg   240
tgcaggcccg agaagagagg aaaaggagga gcggtggcca gggccggcac agcaacacca   300
ggtggctggt ccaaatgaca atagcattga gcactctgac tacagggcca agctgtccca   360
gatccgacag atttaccact ctgagctaga gaaatatgaa caggtgatct ttctgcatgg   420
aagagtttct gtcatgtgaa tgcgcatttg tcaaagcgaa acacggaacg ctaaccacct   480
ttctttcgtg gcgcagaaca gggagtccat gcagttggtc gctgcagagg tggtccattg   540
ttactgaaag ccctttccat ttacttaacg agtcacccgc cggtgtgtga actacagggg   600
gtggcaggcg gctgctccgc tgtggaacct gctgccctgt gccaccctgc tgcctagtca   660
caggccggcg tgtctgtgct cccaccccag gcctgtcgtg agttcaccac gccgagccct   720
atgaaa   726

<210> 96
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (89)...(338)
<223> similar to gi338057 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 96
ggcacgaggc tagaccgagc ctgtgggata taccaaggca taggtgccca tgggcctgag   60
gagcctctgc gcctagctgt tgttgatcct tgcccacctg aggcctctct ttttctttcc   120
caagtcccgc tttgtccgca tcttgatgcc cttctctccg tacgatctcc tgaactttca   180
tgccatgctc cagtccttcc ttgagatgat acactaggct catcaggcca tggacatcca   240
cttccatagc ccggtcttcc agctcccgcc aacagaattc atactagaat ggctacgatt   300
accgttctgt ttgcctgtag atccgtcaca actcc   335

<210> 97
<211> 1042
<212> DNA
<213> Homo sapiens

51

<220>
<221> misc_feature
<222> (1)...(1043)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1028)...(0)
<223> similar to gi50489 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 97
```
tttttttttt ttgttataga aatctgttta atggtttagg aatgtgtaca ctctggctct      60
gccaagtttc cataaaggca acttttccat gttttaaaaa atagatttgg tataaagatt     120
tatatattca taaataggtg gcatgaaaaa ttaccaaatg caaatggaat acttgcgctg     180
actgaagccc tgttcacccc aagtccaggc cctgcagggg tccgagggtc tctgctggag     240
gaggccccaa ctccggcagc ctcttaggga agagaaactg aattaaatgt gtattaggaa     300
cccctccagc tccttaagcc agcgtcgcac tggccccacc gaggcctcag cccacctccc     360
tctgcttccc cccgccacct ccaccattgc cccctcccct gcactctggc ccctgacccc     420
acctgttccc actctttggc aatttatcaa caaaggaaga gatgacactg ttctccttcc     480
gccccagagc ccgggctgcc gggagagctt agcctgccaa ggggaggaaa caagccggct     540
ttgttttgtc tcacacactt cccccgtcttc actcccagcc cagtttttaag ggccggaagg     600
gcagtggggc cnccctcctg gtgggataca gcaggcagga gcccctgcaa ccccaggtac  /  660
aggtcttgag tccctggaca ccggctttg tgcctgagag ggggtgggaa cgcttctctg     720
taggaaatgg cttcagtcca ggatccaggg gtaggggaac ctcgaccatg gggtgggttg     780
ctcctgccag ggggtaactt agcaaggccc cagggtggag ccagttctgg gactgtgtcc     840
agctaggcat ctgtgacccc aaatngcatg aataaaaggn caggttgcta agagccaggg     900
gaggncatgg ggcagggaga ccaggttggc ccagacagga cagaggtgct ccagggacag     960
ggtgctggag tgaagccagg tggagcggtg gagctgtgga gcctttgaaa catcctgatg    1020
gcccaggcct ttgttcccaa ga                                            1042
```


<210> 98
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(288)
<223> similar to gi1495696 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 98
```
tacgaatttg gaccatctac gtcacaggaa ttctgcacca gtagccttta gacaaccgca      60
gaaagcttcc atgatttgaa actaactgac atacatgctg ttggcatgta ctgaatggac     120
ttggagctcc agctaaagaa caatgcatct aaacttttga gtggccatta tggaaagcag     180
acatgacagt gagaatgcag aaagaattct ttttaacatg agacccagag aactggtgga     240
```

52

```
tgtgatgaag aatgcctata accaaggatt gtaatgtgac catgggtatg atcgggtaat      300
actttattgc aggagcctat tgctagacta tcggtctaaa tttgtcttgt cactaataaa      360
gactcccatc caacaccgct cttcccgatc ctcaagggag gag                        403
```

```
<210> 99
<211> 336
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(316)
<223> similar to gi244774 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 99
ggaacgagac aacatataat aacataaaga atatgacatt cttagggata aatatgacaa       60
acgatgcata aacacctgca tacagaaaac tacaaaactc ctgaaagata ttaaaaaccc      120
aaataaatgg agaactatac catgttcaca aaccacaaga ctcaatactg ctgagatgat      180
aattcttcac aaaattgttct gtagattcag tgcaacctca atcacaattt gaggaggctt      240
tttattaaag aagatgacat gctgattcta aaattgctgt ggaaatgtaa aacacctaga      300
atagtcagac aactttgaaa acctgaacta tagtgc                               336
```

```
<210> 100
<211> 350
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(284)
<223> similar to gi799177 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 100
ggcacgagga aagtcgagac tcctgccaaa atacatgcct tctggattga ctgcgccaac       60
agagaggttc tgccatccac ccgcctgggt accctatcac ctgccttcag cactcgggtg      120
ctgccagctc aaaccaccga gtatgccttt agccttcatc caagtgcccc acgatgatga      180
tgcccgcacg gacgccgagc actacgtacg cccctaaatg cataactact cagtgcctgc      240
tcaacgtcca acaatcgagt gccgactgcc ccaatgatac tcgtgcctac tactacaccc      300
atgtaccgta gtgtaaactg caactcccac atacgtagtg ctactagtct                 350
```

```
<210> 101
<211> 341
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (103)...(343)
<223> similar to gi35465 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 101
ggcacgagga ggaactgaat cgcctgcagg gggagctgca ggctgtgtga gactggtgtt      60
agccaccgct cactgcaagc actgcctccc tccggggtct gtaagaggcc gtactagtct     120
acagacctca ttcccccatt ccctgtctgg agccacttac agtgaccact ctcactcatt     180
aaacatatac gtgcccgcag gcacatcgct gctccttatt gaggaagctg tcacattcct     240
aacaattaat gggctcatca ctggcgtcaa gagaggcaga cttgactcca agagcagata     300
gacttacttt ggaaaactgg gcatcgccta agcttacatg g                        341



<210> 102
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(369)
<223> similar to gi2197085 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 102
ggcacgagct ggaagactat acaaactgat ttcaagatta caaagcttca agaatcaaga      60
aagtatgata ttacataaaa acaagagatc aatggactaa attatagaat acagaaaaac     120
atacacatgt atttgtgtgt gtgtgtgtat atatacacaa aaaagccttt tttataaaca     180
ataaactatt tttgttcaca aacatgcaaa ggaattcact tgagaaagag taatttatgg     240
aatctattca acaaatggtg ttggaacagt ggctcatcat acacacacac acaaaaaaac     300
ttcaatccat acgtcacacc atattacaaa attaactcaa aatggatcac agacctacat     360
gtgaaagaaa atcttaaaag ttctaaaagt aaggccgg                            398



<210> 103
```

54

<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (283)...(591)
<223> similar to gi1196432 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 103
```
ggcacgaggc atgcacctgt agccccagct acctgggagg ctaaggtgga aggatcactt      60
gagcccagga ggtcgaggat gcaatgagac aagatcatgc cactgcactc cagcctgggt     120
gacagagtga gaccttatct taaaaaaaaa aaaaggaaa aaaggtcccc agaatataca      180
tttttgggga tctttatttc cagggatgac cactgcacct aacaacagca gaatgttctt     240
ctcaactaca ctaggaacat tctgcacgct aggccatgaa acctcaatag attaaaatga     300
tagaatgaat acacagtatg ttctctgacc acaatagaat gaaattagag tcaataatag     360
aaaggtattt agaaaaccca caaacagctc actcttaaat agtcagtggg ccgaagagga     420
aatcaaaaga gaaataagaa aatacactaa gaaatacatt gagatgaatg aaaatgaaga     480
catggcatac caaaatgtat gggataaagc tcaagcaatg cttctaggga aatttatagc     540
tgttaatgcc tacaataaaa agaaagctct caaatcagta atcgattcac caccataaga     600
cactggg                                                             607
```


<210> 104
<211> 1326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(716)
<223> similar to gi186774 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 104
```
ggcacgagaa tgagaggaaa tcctatgaat gtaaggaatg tggaaagacc tttcttcatg      60
gctcaaagtt taatcgacat cagaaaattc atactggtga gagaaactat gaatgtaagg     120
aatgtggaaa gacctttttt cgtggttcag aacttaatcg acaccagaaa attcatactg     180
gaaagaggcc atatgaatgt gaagaatgtg gaaagccctt tctctggggt tcacaactta     240
ctcgacatca gagaatgcat actggtgagg aaccttacgt atgtaaagaa tgtgggacat     300
cttttatctg gggttcacag cttacacgac ataagaaaat tcatactgat gcagaacctt     360
atggatgcaa gaaaagtagc cacatcttta gtcaccattc atattttact gaacaaaaaa     420
ttcataatag tgcaaatctc tgtgaatgga cagactatgg gaacaccttt agtcatgagt     480
caaactttgc tcaacaccag aatatttaca cttttgagaa atcctatgaa tttaaagatt     540
ttgagaaagc attttcttca agctctcact tcatttcact cttgtgaaat attatataaa     600
agtgtaggaa gggctttatt catgactcat taattgatgt catttatttt tttctcttga     660
ggaacaccac aaatgtaagt aatattggaa ggcatttaa cagagcacac atccagcagc     720
```

55

```
agcagcagca gcagcagaga attcatcatg caatcaatat aggaaagaaa ttactgatca      780
gttatcaatt gcagaatatc agggtaaaat tttatgagat agcatgaatt cttttttgaat      840
cattctcaaa acattctcat cagagatgtt gcataaagaa tttatatata atttggccaa      900
gcatggtggc tcacacctgt tatcctagca ctttgggaaa cagaggtggg tggatcacct      960
gaggtcaggg gttcgagacc agcctgacca acatggtgaa accctgtctc tactaaatat     1020
acaaaaatta gccgggcgtg gtagcacacg cctgtagtcc cagctactcg ggaggccgag     1080
gcatgagaat tccttgaacc tgggaggtgg aggttgcagt gagccaagat cacatcactg     1140
cactccagcc tgggtgatag aacaagactc catctcaaaa acaaaaaccc acaagaattt     1200
atatatattc attttggaaa tctttcatct tagcaaaatt ctgttgtatt tccacaaaat     1260
catgtaatta atccagaaag cttgaactat gtctacaatt tatttggcat gtctgttcat     1320
acatcc                                                                1326
```


          <210> 105
          <211> 529
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (48)...(526)
          <223> similar to gi1196432 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters

          <400> 105
```
tttactgccc aggctcaaaa caaaaaaacc ccacaaagca aaaacttcaa cctacagcta       60
acatcacatg tgatggtgaa agactaaata ctttcacctc taaaattagg aacaaagcaa      120
tgctcttata tggtctagat gtactatatg tactagaggt cttagccagt gcattaagac      180
aataaaaaga actaaaagca taaagattag aacaactata attactccca agaagcatga      240
ttgtgtatct agaaaatcct aaggatccaa aaagctacta ataaatgaat ttatcaaagt      300
ctcagtatac atgatgaata tattttaaaa aatcaattgc atttctatat actaagaatt      360
agaaaatatt tttaaacatt tcatttataa taacaaaaaa tacttttgtc atgaattcaa      420
aaaaagttat gcaaggcctg tctactgaaa actacaaaac actgcaaaag taaattaacc      480
aaaacccaaa taaataaaga aataaaccag gttcacggat tctcgtgcc                  529
```


          <210> 106
          <211> 323
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (13)...(325)
          <223> similar to gi2224569 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters

<400> 106
```
ggcacgagga tcagctacag gaaaaacact tggagtgctg aaggccggtt ccggaggctg      60
aacactgttc tggccatagc gaactgatcg tactgaagct cagatggaag ggccatagga     120
atgcctgcga cggaagccca tgtctcggat catggaggag accactgtca tgcaagaaga     180
ggaagacgag gagtctatag cagctgcccc tggacgtagg ggtcgtacag atggagagga     240
tgatgcctca gcatctagca tgctacagct agagcgctga atagaatgac tctgcatgcg     300
gcagctatgc tttcgcataa agc                                             323
```

<210> 107
<211> 405
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(13)
<223> similar to gi288145 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 107
```
gcaggagttc aagaccaacg tggccaacat ggggaaagcc catcactact aaaaatacaa      60
aaactagcca ggcgtggtga cacacatctg taatcccagc tactcgaggc gctgaggcag     120
gagaatcact tgaaccagga ggcagaggtt gcagtgagcc gagatcatgc cactgcactc     180
cagcctgggc cacagagcaa gactccatct gacaactagc tgttccagcc cccagccact     240
tgagtcatct cagctgaggc cccacacacc aagaagcaga ggtgagtcta atccacagag     300
ccctggtcag acatgatgac ggtggcttca cccggggggtc tccgcacagc agcggcctcg     360
ggtaagcaga acctcgctcc ggggtttaca aatccttcct cgtgc                     405
```

<210> 108
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(330)
<223> similar to gi2323287 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 108
```
ggcacgagaa aggatgcctt tttctatata gcgttacatc ctgactctca atacctgttt      60
```

```
gccttcgaag atccctctgg ccagatgccc agttaacatg gacagtgctg cctcagggat      120
tttgagacag tccccacttg tttggacagg tactgtcaaa ggacctctct gagttttccc      180
atcctcaggt cagggtcttg ccatatgtag atgacatact gttttgtgcc ccaactgagg      240
aagcatctca ggaaggcagt gaagctcttc ttaatttctt agccaacaga agatataagg      300
tttcaaaatc taacatcaag ctttgccaaa                                       330
```

```
        <210> 109
        <211> 344
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (14)...(345)
        <223> similar to gi763431 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 109
ggcacgagaa tttttaggcc accgagcttc tataacatgg tcatgagctc gggtgcacca      60
tagatttccc aaagctgagg ttgcataacc cctctgctga ggacagatct taccgaagat      120
cgcacgaagt gctgccatgg agatctgctt gaatgcgctg atgacagggc agaccttgtc      180
gaggatatct gggaaaatca agattcaatc tccactatac tgattgaatg ctgtgaaaaa      240
cctctgttgg aaaaatccca ctgcattgcc gaagtggaaa atgatgagat gcctgctgac      300
ttgccttcat tagctgctga ttttgttgaa agtaaggatg tttg                      344
```

```
        <210> 110
        <211> 452
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (9)...(425)
        <223> similar to gi2981631 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 110
ggcacgagga ctcgaggaat atagaagtaa catgagtaac cctatagtaa agggagttga      60
ttttatagtg aaaagacctt ctcatgaaga gaaatccagg atcaaatacc ttcattgaga      120
aatctactaa gcatttatgg aagaaatatt agcagatcta caaagttttt caaagagata      180
gaagaggaag gaacacttcc caattcatct tatgagacta gtgtcacccc agtaccattt      240
ccagagaaga aatacaagaa actacagacc actactcctc ttgaacatta acttataagt      300
tcttaacaaa atatattcaa aactttataa gtaggatcat acatcatgac caagtagggt      360
```

```
ttatcttgtg gaaaatgttg gtttatcatt cataacccaa gatagttcac catattacaa      420
aatacatata attgtctcaa ttcatgtaga gg                                    452
```

```
        <210> 111
        <211> 753
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (6)...(755)
        <223> similar to gi306782 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 111
ggcacgagcc catgtgtggg gagacccacc aggccctgca gggggccatg gagaagctgt       60
ggagccgctt tatggagctc atgcaggaga gaaggtggac ttgaaggaga gggttgagga      120
actggaacat tgctgcatct agctgtctgg agagagacag acaccatcgg ggagtgggaa      180
gccagggcac ggcaaagaga gctgcacatt ggtcagaggg gccccagcgt ctgagtcctg      240
tcctcctgca ggagagtaca tcgcactgta ccagagccag agggcagtgc ggaaggagga      300
ggagtgcatc agcaggctgg cccaggacaa gggagaggtg aaggtgaagc tgctggagct      360
ggcgtggctt gtggacgact gcaacaagtg gcatagcaga ttcctggcag ctgcccagaa      420
ccctgctgat gagcccactc caggggcccc cgccccccag tagcttgggg ctactgacaa      480
gccagggtag tgagtagagt cctcaggcac agtgggcacg caggagcagg ggagggctcc      540
cacagcaccc tgcctccctc tctccaaaga tctttgtgag gtgagccttg ccagcagtgg      600
ggagtctgca caaggagagg cggggaagca ttctccctgt gacaacccca ctgagcagca      660
gatcatgcaa ctgcttcatg agatgcagaa cctccaggag cacccaggct tgggcagcag      720
cccttgcatt cctttttttgt accagactga tga                                 753
```

```
        <210> 112
        <211> 399
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (43)...(311)
        <223> similar to gi9453 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 112
ggcacgagct ggggctacca gcccggcggc accatgttca ccagcaccgg ctccagtggg       60
ctctgtgagt accggcctcc gccatcctgg ctgtccccta cacgccaccc taggcacctc      120
```

```
tttgaggagg ctggggcagc ggtgaccctc gggtttgccg gaggtggtgg ggccgaccct      180
ccagacccgc gtccgaaccc tgctagttcc cggtcttggg ggtcaacgga aaccgtcccc      240
atttcggcct ggaggggcga atggggacca agccccgccg tccgccccga ccccacctgg      300
tatccccagg tgcgcttgcc agaagtatct tgacaccagt agtaattggc ctggtgccct      360
ggtgccctaa cttgtcatac cggaatgtct ctaattccg                           399




        <210> 113
        <211> 359
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(319)
        <223> similar to gi439877 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 113
ggaagaatat cctcttcaac aaatgatgct gggacaacta gatatccaca tgcaaaagaa      60
tgaagttgga ctgttccctc atgctacata taaaaattaa ctcaatgtga tcaaagacct     120
aaatataaag agctcaaact atgagaaaag acataggggt aaatctccct gaccttggac     180
ttggcaatgg tttcttaaat atgataccaa aagcacaagc aactaaagaa aaaataataa     240
attgggcttc aacaaaatta aaaacagaaa gtgaagacaa ctcacagaat gggagaaact     300
atttgcaaat cacatatatt gtatctgtta cctgtattat gttacttata tctcgtgcc     359




        <210> 114
        <211> 331
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (43)...(333)
        <223> similar to gi562757 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 114
ggcacgagga tgctcaatgg ccttgatgtc ctccgcaaag taaacatgtg aagtactctg      60
gggattcaca tgatagtgcg acgtgcgagt cttctgactg tgtgccgact gttatacttg     120
acctttgaag actgggttca tactatgact gctactcaga ttacccctgt ctcattcccg     180
caataatgtc acccttttata taccacaatg ataaggtaca accccagact ctgtcgacta    240
tcgcaagaca ggatatgtta ctcctgacag aaatcatgct cattgcggat cctgctgggc     300
ttttatctct gtgtttgccc tggagggcca c                                   331



                                 60
```

```
<210> 115
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(399)
<223> similar to gi285985 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 115
ggcacgagtg ttattggagt caagaggagg taaactcaaa acacatctca ttttgtcatg      60
aaaaattcag ctagtttctt tggaatttga agtgtacaca ttataaagac ttataaagct     120
taataagtta aattgaaagg attattaatt gatttttctg tcctttgtat ttcaggtatc     180
tatcacttcc aaagttcagg agcttcagaa cttattatta ggaactgagg atcagatgaa     240
taccatgaat gctgttctgg aagaaaatga gacatgacca tacctataca ggtaaatttg     300
tacacgtgat ataatttgct gttacaaatt acttgtttat agtctctttc gtattaattc     360
atcatactct tataactatc agtataaata gcgtggacg                            399




<210> 116
<211> 657
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(658)
<223> similar to gi5726238 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 116
ggcacgagag cttcaatacc tggtatttat cagtagcaag gcttggccca gctagaagtt      60
ggaagatggg gagacctagt cagctgggga aaataacaac tataatacta tcctatagct     120
agatctcttc aaccacagag aaggaaaatg gtccaaaatt ccatatgtat aggccttttt     180
tgccctgcag aataaccgca agctctgtca gcaatgtata atagaccttg cacttatagc     240
agtgatatcc agccagactt aatccagaca gaagggaaaa aacagtctgc ctccttagaa     300
gaggagacag aggcccctgc accagcccag gtcccagctc ctcttggatc atctcgtccc     360
ccttatccag gccccctttt gaacctcatc ctgttagaag agttcgacct ggatgcgctc     420
cagcatcact tcttccttta caggaaatgc atagtgaata tggtcctatc aaagtacaag     480
tccccttttc tttacaagat ttgaggcaga taaaaagaaa tctaggacaa ttgtgtcgac     540
ctggataggt atattgaagc ctttcagaac cttaatcaaa tgtctgagct ttcatggaag     600
```

61

ggtatcatgt tacttctcaa ctagactctt agagcttcag agaagcaggc ggcttta   657

<210> 117
<211> 348
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(259)
<223> similar to gi4760577 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 117
ggcacgagat tttcatccaa aacaaacact ggacttcctg cggagtgaca tggctaattc   60
gaaaatcaca gaagaggtga aaaggagtat agcacaacag tatctagatt tgacagtagc   120
ccggaacaag tggaccctga tgccgaagtc gatgcagccc catctaccac atcttcatgt   180
ggacattgag attcacacgc tggctcctga agggtgctca gtctccttgg tgattaaggt   240
cctgcttgaa ctggtgccaa ctccatggca gggaagttgc ttttggttgc ctggctgggt   300
ttcccagatc ccttctgggg caaggagcta tcagaccctg ctttcaag   348

<210> 118
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(351)
<223> similar to gi5360093 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 118
ttgcctagca catggcaggg tgcagcgcct gtctgaatgt gtgaagagtt cttagtgatg   60
ggtaaagggt gttcctgtgt gttttagatt ctgctcagca atcctcagat gtggtggtta   120
aatgattcca atcctgaaac cgacaaccgt caagaaagtc cttcccagga aaacattgac   180
cgagtgagtg acaggccttt gtgccctcag cttggacagc ctcgggtggg gttgcttggg   240
gtaacctggg tgaatcaggc agcaggactg ggggagtccg tgctgaaacc ttggctccca   300
ggctccaggt gtaacctgcc cacctcagag gccacccacg cagtaacaga gggcagggga   360
ggcctccttg gaaagcagga aaactgggga agtgtcagga agttctcttt aggtttgctg   420
cctttg   426

62

```
<210> 119
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(417)
<223> similar to gi4240195 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 119
agagagaaga aaagaaggac caaaggaata gtcagcagat atggagaata atggatgaga       60
agaggaaaga ggggaaaaag gagggagaag acagaatgag aagtgaaaaa gagaaaaggg      120
aaaggattaa agagataaaa atgagaaaag aaaagaagag agaaggaaac gagaagaggg      180
aaacaaaagg aaattagcag ttaaaaaaaa gatagcgtaa cattggaaaa tgaaaaacaa      240
gaaaagtaaa acagggcaca caggagggat ggcagcaaag gatcagcagc aagaaaaggg      300
agcgatggga gggcatggct ctcagagaac ccacccttgc ccacccagcc gtccagcccc      360
tgccgcatgc aggcttactg aatgaactgc agcctttct cgatgtccgc tcgtgcc         417




<210> 120
<211> 379
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (376)...(379)
<223> similar to gi5912574 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 120
ggcacgagat taatacatca aaatttttgc atatcttatt aatgtatcga ataattaggc       60
taaatttttg cataacttat tgatacatca gaaggtcaac aacatgaatt caaggatgcc      120
tatgttctgt tgagtgaaac agaaatgtct agtgcccagt ctattgtacc tactcttgaa      180
attgccagtg ctcagtatac acctttggtt gtcattgctg aagatgttga tggagaagct      240
ctatgaacct tccttttgaa taggctaaaa gctggtcctc aggttatagc agtaaaagct      300
ccaggtttgt tgacaataga aagaaccagc ttaaagatat ggctcttgct gttggtggtg      360
cagtgtttgg agaaggggg                                                   379
```

```
<210> 121
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(345)
<223> similar to gil196433 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




      <400> 121
ggcacgagac tctttccaca tctattcaac actgtgtggg aggttctagc gagagcaatt      60
tggcaagcaa aaagaataaa agtcatccag attagaaaga aagaagtaaa atgatctcta     120
tttggagatg acataatctt gtgtaaagaa aaccctaagg aatacacaca cacacaaaaa     180
aaaactatta gaggtaataa atggatgcag caaaattgca ggatgaacga ttatatacaa     240
aaatcaatta gttccatact ccagcaatga acaatctgaa aataaaaatt taaaaaaaat     300
ttcatttata ataacatcta aaaaaataaa atacttggga atataacacc taaagtgcac     360
t                                                                     361




      <210> 122
      <211> 371
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(372)
      <223> n = a,t,c or g

      <220>
      <221> misc_feature
      <222> (264)...(371)
      <223> similar to gi695632 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




      <400> 122
ggcacgaggg gacttcacag gctcggagtg aggattgaat gatgcagttt gcacagaggg      60
cttagcacag gacctggcac attgcaaggg ccccaagcaa catgtgggaa ggggcgtgga     120
acaggtaaca gccggccatc tgggatgaag gccatggngt gggccgtggt cataagggtt     180
gggtcccaga tgacaagggc agctgaatgg agagggtgca gtgcagccgc acctgccctc     240
tcggccacct ggctctgcag ggagtggtga ccatcaacaa gaagaggaac cttgtggtgt     300
ctgtggacga cggtggcacc ttttagtntg tttgcaccga ntgtggaang ggacctcgnt     360
ccaccaggac c                                                          371
```

<210> 123
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (121)...(290)
<223> similar to gi1906810 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 123
ggcacgaggg gagaaggcgg ggctgggcct cagcttccca aaggtttttg aggaactggg   60
cttttctgac accctcaaag gtcagaaggt taaaggggca gaaggcattc ggaaagctcc   120
cctcccacag tgacacctct ctgacttctg acctagggtt ccaccaccgc ttcaatccca   180
atgcctccag ctccttcaag cccagtggga ccaagtttgc cattcagtat ggaactgggc   240
gggtagatgg aatcctgagt gaggacaagc tgactgtgag tggcctttga ctccaggaag   300
cctcgagcct gggagaaccc tgttgtctaa gatcatctgg cttagggagg ggcttgaggt   360
gcaggggctt cctgagccga tggatggggc tt   392

<210> 124
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(367)
<223> similar to gi2072971 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 124
ggcacgagat gctgttgaaa agttgatttg agaaggaaat gccaataaag actcaaaaga   60
aaatactaga aattaaaaag aaaactaaca gaaacaagga atgcctttga taggttcatc   120
aatggactgg acacagctga ggaaaaagat caatgagcta aagatatgtc agtagaaacc   180
tctcaaactg aaatgcaaat agaaaaaaaa gactaaaaaa taaaacagaa gagaatatcc   240
aagaactatg ggacaatttc aacacaagta acatgtgcta aattggaata ccagaagaag   300
gaatagagaa tgaagcagaa gaaatatttg aagtaataat ggcagataac tttccaaaat   360
taatagacac caaacaatac atccaaga   388

<210> 125

```
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(378)
<223> similar to gi5832878 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 125
tgcatgttta ctttattaga gtaggaaggc tactggcatt aattattaat accaaatatt        60
ttagccttaa atttttgtca ttttaaaatc tgatttaatg ttttctgctg tttaaggtct       120
tgggaggctt tcaattgcat tttatatgac agaatcactc ttttttgtgc tatttatggt       180
cttgcttata tataaccttt acttgtttaa attgtgattt ttataccttt ccacttctca       240
gttctatatt taactttttt tattattctt tatctttgtt tattttatgt tgtacttctt       300
cgtttttat tttattacgt tctgctttta tgactctttt gtttctagta ttcttttctt       360
tattgcttac tttatttatc ctgttt                                           386



<210> 126
<211> 370
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (121)...(363)
<223> similar to gi5832878 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 126
gctgatgttg gggagacgga cctcagtgtg ttttatattg tctggtgtta agatgataaa        60
ttacttggtg attacgagca aattttctat ttgacaaagc ccttggtgga gtccaaatga       120
tttttctgta ctatattgtt cttttacaca tacctatgtt atgattatat tcacactttc       180
atatacattg ttctcttaca cattcgtttt ataggtatta tctttcattt tcaatgtgtt       240
tcttttacta tatatttctc tttatattat actcttttac ttatatttat tattttcttt       300
ttattttctt attctaatct tttactatta ttaatattat ttttttttct cttcttttta       360
tattatttat                                                             370



<210> 127
<211> 1175
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc_feature
<222> (1)...(1177)
<223> similar to gi5441611 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 127
atcgacgtgg acgaggacgt gatggagacc gtgaagatcc tctacgtgcg caacctcatg   60
atcgagacca ccgaggacac catcaagaag agcttcggcc agttcaaccc cggctgcgtg   120
gagcgcgtca agaagatccg gacctacgcc tccgtgcact tcaccagccg cgaggatgcc   180
gtgcatgcca tgaacaactc aaccggcact gagctggagg gctcgtgcct ggaggtcacg   240
ctggccaagc ccgtggacaa ggagcagtac tcgcgctacc agaaggcagc caggggcggc   300
ggcgcggctg aggcagcgca gcagcccagc tacgtgtact cctgcgaccc ctacacactg   360
gcctactacg gctacccccta caacgcgctc attgggccca acagggacta ctttgtgaaa   420
gcaggcagca taagaggccg agggcgaggt gcagctggca acagagcccc agggcctagg   480
ggttcctacc tcggggggata ttctgctggc cgtggtatat atagccgata tcatgaaggg   540
aaaggaaagc agcaagaaaa aggatatgaa ctggtgccga atttggaaat ccctaccgtc   600
aacccagttg ccattaaacc tggtacagta gccatccctg ccattggggc tcagtattcc   660
atgtttccag cagctccagc ccctaaaatg attgaagatg gcataaactc acatcagtgg   720
agcacatgat cacgtcccat tgctgtgcag ccgagaccca gcccagctac gtgtactcct   780
gcgacccta cacactggcc tactacggct accccctacaa cgcgctcatt gggcccaaca   840
gggactactt tgtgaaagca ggcagcataa gaggccgagg gcgaggtgca gctggcaaca   900
gagccccagg gcctaggggt tcctacctcg ggggatattc tgctggccgt ggtatatata   960
gccgatatca tgaagggaaa ggaaagcagc cgccgcagcc gctgtcattc ccactgtgtc 1020
gacgccacca cctttccagg gccgcccaat aactccagta tacacggtgg ctccaaacgt 1080
tcagagaatt cctactgccg ggatttacgg ggccagttac gtgccatttg ctgctccagc 1140
tacagccacg atcgccacac tacagaagaa cgcgg   1175

<210> 128
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(393)
<223> similar to gi439877 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 128
ggcacgagtg cttatcaaaa gacaccatta agaaatcaac tggcaagctg tagaataaga   60
ggacatattc gcaaaccata tatctgacaa aggacatatc cagaatgtat agagaaccca   120
taaaactcag taataaaaag aagaacctaa ctaaaagaca gaaaaaagac ttgaagaaac   180
gccggacaaa agatggccca atacatacat gaaaaagtat acatcatgga tcatcagaaa   240
aatgcagttt gagactataa taagatacta ctacgcatac ccattagaac agctaaaagt   300
agaagattga caacacaatg aaaagattgg caagtgctgg tgaggatgtg aagcaaccca   360

aactctcata cattattggt gggggtgtaa gtaaaatggc acaactactg tcgacaaagg   420
gcttgaagtt ttctgt   436

<210> 129
<211> 669
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(670)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5)...(669)
<223> similar to gi2072958 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 129
ggcacgagac agactccagt aataaaaatc agaaatgaaa gaagacattg caactgatga   60
tacagaaata caaatgatca caagagattt ctagaaacaa ctatataata ataaaatttg   120
acaacttcaa agcaatggat aaattcctag gaatttacca agcctgactc atgaagaaat   180
aaaaattctt tgtagaccaa taacgagtaa ggagacgtaa tctgtaatca aacaggtccc   240
aacaaggaaa agcttaggac cagtgacttc actgaagaat tcttgcagcc atttaaagaa   300
ctaacaaaaa tccttctcaa actcttgcaa aaaatttaga acaaacctcc aaattcattt   360
cagaagtcca gcattaccct gataccaaaa tcaggcagat actttaagaa acgaaaacta   420
caaaccaata tccctgatga atgtcgatgc aaaaatcttc agcaaaacac tagcatgctt   480
aattcaacaa cacattaaga gttacaccaa ttacttttag aatgcaagaa gatggttcaa   540
tatatgaaaa tcaaattaag acatcacatt aacaaaataa tgggacaaaa accacatagg   600
gccaggggggc agtggcttca tgcctgttaa tttccagtac tttggggagc ccgtgggtgg   660
ggcagnttc   669

<210> 130
<211> 321
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(25)
<223> similar to gi4884104 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

68

<400> 130

```
ggcacgagga gccaggaggg cctccagggg ttccttgtgg aggctcaccc ggacaatgcc      60
tgcagcccca ttgccccacc accccagcc  ccggtcaatg ggtcagtctt tattgctctg     120
cttttaatac ttcactgtat tttgacctca cggattttcg cgtccatttg gctatattta     180
ttgacttttt actacaatct tcctttcat  cataattgct ctaactttca tccttgtttt     240
aacctctttc attttattcc tattttctc  catgacttat catcccctgc tcaatcccctt    300
tattattttta tatttacaat g                                              321
```

<210> 131
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (9)...(288)
<223> similar to gi2065209 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 131

```
ggcacgagga aatgcggatt aaaagatggc ccactgtgag tgagctagca atgcctgatc      60
tcccttggtt taatgtagag gaagggatcc aaaggtttaa ggggattggg atggtggagt     120
ggattagtca ctttagacag actcatccca gctggaaggg accaatgcct tgtgcaatag     180
atttgtgaga gcagcacctg caccttttgaa aagccctgta attgcttttc tctagatgtc     240
agatctaatg gtgggaactg cagtcactta aatacaaaat ttaaatccat gcctatattt     300
gttgcagcac tatttacaat agcaaggtat gaaatcaacc taagtgccca tcaatggtag     360
actggataaa gaaaatgtag tacatatata tcttggaata ctctacaggt ataaaaagaa     420
tgagatcatn gtctttgca                                                  439
```

<210> 132
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(301)
<223> similar to gi187171 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 132

```
cagcccgtaa ggatgatcta cctccaaata tgagattcca tgaggagaag aggctggact      60
ttgaatggac actgaaggca gggtgagaaa aaggctagcc ctcgaagtga aataagggct     120
gggagggcca agaatgatga tagacggtga gggactgagg gatcagctga tgagttaagc     180
ctcaacacct gtcctagggc tttgcagatg gccctcaaac gtgtttacac cctcctgagc     240
tcctggaact gcctagaaga ctttgatcag atcttctggg gccagaagag tgccctggct     300
ggtcagtggt tccccgaggt ctccataatc ccttaatggc ccctctggat gactcatcac     360
actccacagt cccccgtaac tctttgcaag aagagacctt atcatatctg gtcaactcag     420
agaggccttg agaatgaaaa cgcagaagct gggttcaggg agggttatat acctgaaccc     480
ctggggtaga ttttggagaa gggatatgca ggctgtggta catatatcct cctttcaccg     540
cccaccaaag agaacgttcg ccagtgctgg caggatgatg agttgttcag cttccctcgt     600
gcc                                                                   603
```

<210> 133
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (133)...(264)
<223> similar to gi347319 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 133

```
ggcacgagga catctaccga ccctacttta tttttttagga aaactttgta gcggccttat      60
caaggtccag cccagagcat tgcacagagg ctgtgccatg taaacactca ctgaccccat     120
ggcgagtgac tcccttctca cctttgcttg tgtctgctag agacagaatg gatgaagcgg     180
aaggcgtctc ggaggggagc ataggaagag gaggaggagg aatacgacta ctctggagag     240
gacatgaagg ctatcatgga gcgtcacaga gaggaactca ggtactacca acttgtgaaa     300
gatgatcttg aaagattaga tggaatagcc ag                                   332
```

<210> 134
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(364)
<223> similar to gi535586 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 134

```
cccacgcgtc cgctcctgac cgggccttca gggtggacag agggaggatc ggtcatggca      60
gccacacctg ggcctggcct tgctccggga cctgccagag gagctggcct ggctctgtgc     120
ctgcctgcct ccaggagcag gacggtggct gggagggtag tgactgggga cacaggtgca     180
ggtgttagtg caggaccgga agggtgaggt ggcctggtcc tcggggctcc tggcctgggc     240
tggctgaggc aggactctgc caaaagtccc ctgccaggcc tcatggtggt gctcctggtg     300
gcagtggctc tctggccgcg ggccctgtct gtgtctccgt ggtggctctc acagggctct     360
ccagacactc ctg                                                        373
```

<210> 135
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(336)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (335)...(21)
<223> similar to gi456090 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 135

```
ggcacgaggc tgaacttcag gtggatgatg agacaaaata gaccgatagg aatcgtctgg      60
ctatatactc cttgttgcca ctgctgagtg actagactgg cccagagatc cgcggtgcac     120
atgctggccg ctcctccctc agaaaaaggc aatggcctaa atactgttta aatgacctga     180
ctcgatgctg tgggaaactg gctgctctgc tgcatgccgt gtgactgtca gtccaaccgt     240
tacatttgcc acgttctcca cacgggggat agacgcaatg cgcccaggtc ccagttttct     300
ttggaggcag cagctctcgc agggctgaat gttgn                                335
```

<210> 136
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(397)
<223> similar to gi5689485 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 136
cagaaagaga agtagttgtg agacaacttc aacaaaaaca gggtgacgtc ctaaacaatc      60
aacaacaaaa gctttgctgg atgcttcatt gcgtcactgc gtccattgag aaagtgagat     120
gtaggattca aggaagaaat taggtcagat gagaattcaa tttcaagaaa aatggaatca     180
acttacagcg actataaaat gtactaagga gacgcaaggc cacgtacaaa aacttgaaat     240
agaaaattct agtgttaaga aatacaatta aaaagcaaga tggccaaatt gagcagcttc     300
agaaaatcct gcgaagttca agtttgatgc agcagttatt gcaagaaaat gaaactacag     360
aaatagatga agcttcttct gaatttaaat ctggatcctc tgtagcagag gttcccaacc     420
tacaggccat ggacaggtcc atgacctgtt aggaaccagc tgcacagcag gagagttact     480
gtggatcttc tagatcatct gcatgccatg tgaatcttaa aaccagtttt taatttctac     540
aaa                                                                   543




<210> 137
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(298)
<223> similar to gi3600028 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 137
agatgaaggt gatgaagaca ggttggacaa tgcagtcagg ggccctgggc ccaagggcc      60
agttgggacg gtgtcggaag ctcagcttgc tcggaggctc accaaagtaa agaacagccg     120
gcggatgctg tcaaataagc cacaggactt ccagatccgc gtccgagtga ttgagggccg     180
acagttaagt ggtaacaaca tatggcctgt ggtcaaagtt cacgtctgtg gtcatactca     240
ccgaacaaga atcaatatca tgaaactacc ctattttga tgaagtagta tttcaatcag     300
tcaatgttat cccatctgat tacgtgcatt agatatccgg catccaggtg aattccttcg     360
aatttctgac aattacctta taaatcgcat gtcattgata acg                      403




<210> 138
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(347)
<223> similar to gi530878 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 138

```
ggcacgaggg aagagggaac gggtcctggc ggtgctttgc aaagggcccg tgtttctgtt    60
gcgggaagct cccgggggtc gcacgtgcgt cctagcccac gcccctcccc tccactcccc   120
ttcctgcgtg ccccggaccc acctagcgga tacgctcttc tcctccctcc ttgacgcctc   180
tcgtccctcc aaaccatctc ctcctacatg ccctcacttc gcctctttcc cttccatcct   240
cacctctctc cccacccgc attgccatct cctcatcccg actcccacga ctccatctct    300
gctcgccgtc tcttccccc ctcatcctct cctctctcta cccccg                   346
```

<210> 139
<211> 1672
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1672)
<223> similar to gi3002527 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 139

```
aacctccgcc gcccgggttc aggcgattct cctgcctcag cctcctgagt agctgagact    60
acaggcacgc accaccatgc ccagctaatt tttgtatttt tagtagagac gaggtttcac   120
catattagcc aggctggtct ggaactcctg accttgtaat ccactcacct cagcctccca   180
aagtgctggg attacaggcg tgagccactg cacccaccac attaactttt tattacttaa   240
catatctgag cacttcctgt gagccaggca ctatgggaga ttaaaaagca ttaaatgtgg   300
tccctgacat tattgtgaag ctctgagaag atgtcatgca aagacacttg cctatgtgcc   360
actgccaccc tctgccctgc ttttggggtc aaggtacctc caagcgcctc actcctgcag   420
ctgcattttt ttttatttat tttttttttg agatggagtc ttgctctgtc acccaggctg   480
gagtgcactg gtgaaatctc ggctcactgc aaccttcgcc tcccgagttc aagtgattct   540
cctgcctcag cctcccaagt agctgggact acaggtatgc gccaccacac ctggctaatt   600
tttgtatttt cagtagagaa gggtttcacc atgttggcca ggctggtcgt gaactcctga   660
cctcaggtga tctgcccact cggtctacc aaagtgttgg cattacggcg tgagcacctg    720
gccacgcagc tgcaatctta ggcccatcat tccactgagt tccgaagaat atagcctttt   780
cctgaagaaa ctcctttctt caatgcttca ggccagttgt gagtctctaa gtaagtggac   840
aggatatcaa acacttgatt gatggccagt atctctgaat gatagttttt cccattctgg   900
tttctgacca tgtattcctg gattggcaag cgtgcggtct tgacagagta ttcccgggcc   960
ttttgaaatg tcaccttctt ctgaatgctt tcatccacaa gcccaccgag gatgtaaact  1020
ttgtttagat caacatcttc aagagcgtgt tctgagtcag gagtcaggta cacaagggtt  1080
tccaagggaa ataaactaaa gcagtcttct tctgttatgt ctaacaggta actagaaaat  1140
ccatcattca tcctcacaca ctcttcataa aggggactgt ctgttgtgaa tccagtgagg  1200
cagatccaaa atggcctgtc agctttttttg tttgaaccat acaaccttcg aatctgtcca  1260
gccagtctac ttaattctag tttactaagg aatcccagaa gctggagttg accatattct  1320
tcggaaagct gtacccttct gggcctccct catggcgagc aggaattcca ggcttagtgg  1380
atgttctacc ttctttgaca tgtagtgggt catactcaaa tcgatacata gtcttggtcc  1440
tgagtgtttg gcttccaaaa gtttgtcttt ggttagagct ctcaggaaac gtttgctgtg  1500
ctgggggcaa atgccgagca ccatgccgta ctgcctgtgg ccaggatctc tccctcctgg  1560
```

```
cactcgcctt ccgcatcgat ctgcagaagc tggaagcctt caggaagtcc atcttcacct    1620
gtctcctcta ggatgccttc ctcgtgccaa gcttagcgta atcagggttc at             1672



        <210> 140
        <211> 326
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (9)...(326)
        <223> similar to gi2981631 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 140
caatccacac tatagaccaa atggatctaa tacacattta taggccattt catccaacag      60
ctgcagaata cacattcttt tcctcagcac atagaccatt cttaaggaca gaccatatgt     120
taggtcaata aacgagtctt aaaactttcc aaaaaactga aataatatga agcatcttct     180
ctgaccacaa aggaaaatta gaaatcaata acaagaggaa ttttagatac tatacaaata     240
tatggaaata aaaaaatatg ttcctgaatg gccaatgggc caatgaagac attaagaaag     300
acaactgaaa aatttcttga aacaaa                                          326



        <210> 141
        <211> 689
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (11)...(559)
        <223> similar to gi1749794 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 141
ggcaacatac attgtggact ttggcttcag tacaacattc agagaggggc agatgctgac      60
agcttttttgt ggcatgtacc cctacgtggc cccagaacgc tccctgggcc aggcatgcca    120
gtgacccgcc agggacatac aaagcctcag tgtcatactg tatttcagga atacagtagg     180
tagaagggcc aggactttgc ccttttactc agggaagcct ccaaacttca agaaaaaatt     240
ctcacaggaa gatatcatgc cccaccactt cttgcccttc aacttgactc attaaaaaat     300
tactaatgct gaacgccagg aagtgtcctt cactgtaact gatgaaaaat ccatgggtga     360
aaagtagcca gaagatgcca ctgataccat acgaagagcc actcctggac caccccaaac     420
aatccagctc atggtggcca tgggatttca ggccaagaac atctctgtgg caatcataga     480
aagaaaattc aactatccca tggccaccta cctcatttta gagcacacaa aacaagagag     540
```

```
gaagtgctcc accatcagag aactgtccct tcctcccggg gttcccacct ctccttcccc      600
atccactgaa ctttccacct tccctctctc actgatgcgg gctcataggg agccagcttt      660
taacgttcag cctcccgaag aaagccagg                                        689
```

```
<400> 142
cgagaaagag aaagttggaa ggaagggcaa gcatctgttg actgttgatc agaaacgtgg       60
agagcatgtt gtgtgtggca gcacacgtaa taatgagtca gagagcactt tggatttaga      120
aggcttccaa aatcccacag ctaaagagtg tgagggactt gccactttag ataacaaggc      180
tgatcttgat ggagaaagta cagaaggtac tgaggaacta gaagactctc taaaccactt      240
tacccactca gtacagggcc agacatcaga aatgattccc tctgatgaag aggaggagga      300
cgacgaagaa gaggaggagg aagaagaacc taggctcacc attaaccaaa gggaagatga      360
agatggcatg gctaatgaag atgagttaga caacacctac actgggtcag gggatgagga      420
cgccctatct gaagaggatg atgagttagg cgaagctgct aagtatgaag acgtgaaaga      480
atgtggaaaa catgtagaaa gagctctcct agtggaactt aataaaataa gtctcaagga      540
agaaaatgta tgtgaagaaa aaaattcacc tgtggatcag tctgattttt tttatgaatt      600
cagtaaactt atcttcacca aaggcaagtc tcctacggta gtgtgcagct tatgcaaacg      660
agagggtcat ctaaagaagg actgtcctga agacttcaaa agaatccagc tagaacctct      720
gccaccatta acacccaagt tttttaaatat cttagatcaa gtctgtatcc agtgttataa      780
ggattttttct ccaacaatta tagaagatca ggctcgtgaa catattcggc aaaacctaga      840
aagtttcata agacaggact ttccaggaac taaattgagc ctgtttggct cctccaaaaa      900
tggatttggg ttcaaacaga gtgaccttga cgtctgtatg acaattaatg gacttgaaac      960
tgctgaggga ttggactgtg tcagaactat tgaagaatta gcaagagtcc tcagaaaaca     1020
ttcaggtctg agaaacatct tacctattac aacagcaaag gtgccaattg tgaagttctt     1080
ccatttgaga agtggtctgg aagtagatat cagtttgtat aacacattgg cccttcataa     1140
cacaaggctt ttatctgctt attccgccat tgatcccaca gtgaagtatt tgtgctatac     1200
catgaaagtg tttacaaaga tgtgtgatat tggggatgca tttagaggcg gcttatcatc     1260
gtatgcatat actcttatgg tgctatattt tctccagcag aggaatccac cagtcattcc     1320
tgtccttcaa gagatataca aaggtgaaaa gaaacctgaa atatttgttg atggctggaa     1380
tatttatttt tttgatcaaa tagatgaact gcctacctat tggtcagaat gtggaaaaaa     1440
tacagaatct gttgggcagt tatggttggg ccttcttcgt ttctacacag aggaatttga     1500
ttttaaagaa catgttatta gcatcaggag aaaaagtctg cttacaactt ttaagaaaca     1560
gtggacctca aaatacattg ttattgaagg ctggaatgca atggcgcaat cttggctcac     1620
tgcaacctcc acctcccggg ttcaagtgat tcttgtacct caccctcctg agtagctggg     1680
attacagatc cctttgattt gaatcataat cttggagctg gattatcaag gaaaatgaca     1740
aattttataa tgaaggcttt tatcaatggt agaagagtat ttggtattcc tgtcaaggga     1800
tttccaaagg actacccctc aaaaatggaa tactttttg atccagatgt gttaactgaa      1860
ggagagctgg ccccaaatga tagatgttgt cgaatttgtg gaaaaatcgg acacttcatg     1920
aaggactgtc ctatgaggag aaaagtaaga cggcggcgag atcaggaaga tgccctgaac     1980
caaagatacc ctgagaacaa ggaaaaaaga agcaaagagg acaaagaaat tcacaacaag     2040
```

```
tacacagaaa gggaggtgtc aacaaaagaa gataagccca tacagtgcac acctcagaaa   2100
gccaagccaa tgcgggcagc tgctgacctg gggagggaga agatcctcag gccaccagta   2160
gaaaaatgga agagacagga tgacaaagac ttaagagaaa aacgttgttt tatttgtgga   2220
agagaagggc acattaaaaa ggaatgccca cagtttaaag gctcttcagg tagcctttcc   2280
agtaaatata tgactcaggg aaaagcctca gcgaagagga cccagcagga atcatgaggg   2340
aaggaaaatg cagcactcta aatggccc                                      2368
```

<210> 143
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(683)
<223> similar to gi3834293 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 143
```
cccacgcgtc cggatggacc ccaggaacca cccagacctt aggacagggg acagcatggg    60
acacagttgc ttccactcca ggaaccagcg agactacagc ttcagctgag ggaagacgaa   120
ccccaggagc aaccaggcca gcagctccag ggacaggcag ctgggcagag ggttctgtca   180
aagcacctgc tccgattcca gagagtccac cttcaaagag cagaagcatg tccaatacaa   240
cagaaggtgt ttgggagggc accagaagct cggtgacaaa cagggctaga gccagcaagg   300
acaggaggga gatgacaact accaaggctg ataggccaag ggaggacata gaggggggtca   360
ggatagctct tgatgcagcc aaaaaggtcc taggaaccat tgggccacca gctctggtct   420
cagaaacttt ggcctgggaa atcctcccac aagcaacgcc agtttctaag caacaatctc   480
agggttccat tggagaaaca actccagctg caggcatgtg gaccttggga actccagctg   540
cagatgtgtg gatcttggga actccagctg cagatgtgtg gaccagcatg gaggcagcat   600
ctggggaagg aagcgctgca ggggacctag atgctgccac tggagacaga ggtccccaag   660
caacactgag ccagaccccg gcagtatgac cctggggacc ccctggg               707
```

<210> 144
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(475)
<223> similar to gi1408210 in the genepept database release 114,

76

Run with FASTXY 3.3t00, default parameters

<400> 144
tttgtggttt taatccttat gtcttttggg cagctaaggc ggaccagctc caggtaagca   60
atactcaatt gaccttaaat cttgctggtt atatcactgc attaatcata gcacattgca   120
aacatgtaat atctctactt tgatatctgg gtcacattcc tgggctatgg attctcatta   180
atctgtctga gccttgtgat gccacccctg tttggcactt tgtgaaactt cttctaacta   240
aacttactca tcatgcctgt agagcctcag gcatcataat ttttgctatt gtttctttgg   300
tcacactaat cacttctgct gtaatgtcct ctgtagcttt gcatagttct gttcaaatgg   360
gctcagtatg taggagggac tgggaggcat gcagccaact aaggcatggg ctactttcag   420
tgttaaaatt taacactgag gttacaaact gaagtngggt aatgtttaaa ntccc   475

<210> 145
<211> 2032
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1992)...(232)
<223> similar to gi19867 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

| <400> 145
ttttttttttg ggtgatcaag tcttgattaa atcattcatt cattcaacat ttattgagcg   60
cctactgtgt gctaggcgac cgtgctaggc gcagaaatac agagatgcat aagatacagt   120
ccatgccctt aaggattcac agtctagaag gggagacaaa catgtaaaca agtaaaatac   180
agtgtgataa gtgccacaag agaagcattg acaaagtgca gaggtagcct ggaggggagg   240
ggcacagggg ttgccttcct ggaggagggg gcctttgagg ggatcgtgag agatgaactt   300
gccaggcaga caaggcagga ggagcagggg aaggcattcc agtcggaaga aacagcatga   360
gcgaaggcac agaggcatga aactgcatgt cttgcttggt gagtggggaa ctctaactag   420
tctggtggta ttgctaaagt gtactagagg ctgtggctag agaaggggggc agaggccaga   480
tcatgagggg aaactgaggg caggggcatc ttggagggtc accagaggtg agcagagccc   540
gagggcaggc tttgacacag gaaaagaggg ctcctggctg actcaaggta cacctgcctg   600
aggaccacag ggttcctcgc tgtggctcca aagggatctc gacccaagag tagaggagca   660
gcagagctgg aggtgaagca gaggggtcgg gccaggtctg ggaccagag ctgccatgca   720
ctcccgcgct ctcacagact tctgatttcc aacctgcacg tcagagcccc ctcctgccag   780
ccggatgggg gcctggatcc agtgggaaat cacatgggaa tatggctggc aaactgcaaa   840
gggccagatg agtgtcaggt tacagaataa atctttacta actcaaagaa gaaaagggct   900
gcggataaaa caggaaaggt tagatggagg agggcgggca gacgggccta agaacaaggg   960
ccaaaatgag aatacagcat cggccaaaga ggaccgtggc tgtctctccc ctggcaagga   1020
ggggcccttt tggcccaggg cagaggcaga ggccagtggg tacaaccagg ccagatgtgc   1080
aaggagagca tgtgacctgc aagactgtgg ggctccacac tccagactcc agtgtctcct   1140
tagcccaatg aggagaggtt tccttggcaa tcaggaccct ccttcttcca ggctgtaggg   1200
aggccactga ggcagagagt ggccagccag cattccagcc cttcagtgtt cttaggaatg   1260
gctctgtctg aaaaatggct ttgcagggat gggtggggca gggaggctgt gggaagaggg   1320
cagagtctca ggacaccaga gtccagctgc ccatctgagt ggtgcttttg taaggcatca   1380

77

```
cacttgaggc cactgtgagg ggctgagctt ctttcccaac catggatggg ggaagggcaa    1440
gatggaccct gggttccagg gctacagtga gatgaggcct cctgacggag aagctaacag    1500
cagcccccat gtccttgctg ccgtcccagg agtagggaag gaggagggga ccctcccagt    1560
tggtagggtc tggagatgtc ccgagacccc tcctttcctc ttgccgttga tgaggcagcc    1620
tcgcgctgcg gggttcccag cctccaacag gccccttct tttggcctca cagtctcatc    1680
gcctgatccc tcccctcccc tgagcagtgt gggggggatga tgcccgcttg ggtgccgatg    1740
gagttggtgg tgttagcgat gagaaggatg atgaggtgtt ggtggtggcg gcctccccat    1800
gcggggagtg ggctgggctg ggggcgctgg gggcatcact tgctcttgtg catatccttc    1860
agccggcgga gctcttccag gagctgggcc cgggagtagt catcatcccc agtggggccc    1920
ggccccggcc ccagagcctc ctgtagcgcc aggcagtggg ttctcaggaa cgggttgtag    1980
gagcgctcct ctcccagggt agatgggcac gtgcccttgc gctccagccg ct              2032
```

<210> 146
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)...(520)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 146
```
acttcagcct gggcgacaga gcatgatcct gtcttaaaaa aataaaaaac ataaaaggtt      60
caatacagca agaaggttta acagttgtaa acatgtatgc tcctaatgac aaaccatcaa     120
catatatgaa acaaaaattg acgtaattga agggagaagt acaattctac attaatagtt     180
ggagacttta atatcccaat ctcagtagtg gatagaacca tcaaaatcta agcaaggaaa     240
tataggactt tcacaacaca ataaaccaac tagatctaac aaccatatac agaacactct     300
acccaacaat gaaatacaca ttcttctcaa gtatacatag gataaattcc aagataggtc     360
ataaattaag tctgaattga ttttaaaaga cagcaaaata tcttccctga ccacaatggg     420
atgaacttag aaatcaaaaa caaaaagaaa actggaaaat ttaaaaatca tagaaattaa     480
cacactctta accattagat caaaaaagaa accacccggc attggttgaa aatcacccc      540
cggctttggc catggcagcg ggtgagattc ggcgcccaga gcctccaggg gcctcagctc     600
accgcacgct gacacatgtg cggcggtgaa acccagcccc aacaggcccc gcggcctctc     660
cctgggtgcg gccgc                                                      675
```

<210> 147
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)...(325)
<223> similar to gi2197085 in the genepept database release 114,
```

```

Run with FASTXY 3.3t00, default parameters


        <400> 147
aaactatttt aaatgttttt attttatcga atagaaataa atctcacaaa atatgcttaa      60
gaactttaag cggaaaccat aaaatactat tgtgataagt taaagaagac ctaaataaat     120
ggagagatct gtcatgctca tggattggaa gattcaatac tgtaatgata tgaatagttc     180
ccaaattgtt ctatagattc aaaacattgc cagttaaaat ctcagtggac tttgtttttt     240
tgaaactgac aagctgattc tgccatttat aataatattc aaaggggcaa gaataaccaa     300
gacacatttg aagaagaaca aggaggaaga agaacgtatt tgaagaagaa taaggaactc     360
tattaagtgt atatctccta tatattgaga tacacatttg aaatacatct atcacctaga     420
tattgagata tattatacat ttaatatagt gtgttgctgg tatagggata gaaaaatgaa     480
cattggatca gaatagcact gaaacaagat ctacccctat atgggcatgt ccctattaac     540
aaaaaaatat tggtgattat ttccgcaaga tgatctgtaa aaaacaagtt aattgaacat     600
ccatatggga aaaaagtgaa tccttctgct acctcaaata tcaaccccag gtagattata     660
gatctaaaag g                                                          671




        <210> 148
        <211> 464
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (119)...(384)
        <223> similar to gi2981631 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 148
aattgagcgc tatcgatgag gctgtagtta ccggctcgac ccacgcgtcc gaaacaattc      60
atcaaagttg cagcatgcaa agtcaatatg gagaaatcag ttgctagtgt aaaaaataga     120
aaggaaatt ttggaaacaa tccaatttaa cagcatcaaa agaataaact acttaggaat      180
cagcttaacc aagcaggtgg aagacttgta gagtgaaaac ttcaaacacc ctttaaagaa     240
attatagatg acataagtta ttagaaagac atcctgtgtt tatggattgg aagacttaat     300
attcttaaga tgtcactact acccaaagtg atgtacaggt ttgatataat ccctaccaac     360
attccaatta ctttgtataa atagaaaaat ccaccataaa tttcatatga aatttccaga     420
gatcccctaa ttataaaaat aaaaaggaag agccaagttg gagt                      464




        <210> 149
        <211> 2398
        <212> DNA
        <213> Homo sapiens

        <220>


                                    79

<221> misc_feature
<222> (74)...(2353)
<223> similar to gi3327162 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 149
```
cccacgcgtc cggtcagcct cagtcttcaa tgagggaccc cgtacagagt aacccaaacg   60
cttgttccta tttcaggatg tgaacactct gcaaggaggt gggcagcctg tggtgactcc   120
gtccgtccag ccctctcttc agccggccca tccagcgtta ccacagatga cctcacaggc   180
acctcagcca tctgttactg ggctccaggc accttctgct gccttaatgc aagtgtcatc   240
tctcgattcc cactcagctg tatctggaaa tgcccaatcc tttcagccct atgcaggtat   300
gcaagcctac gcttatcccc aggcatctgc cgtcacctcc cagctgcagc ccgttcggcc   360
tttgtaccca gcaccgctct ctcagcctcc ccattccaa ggatcaggtg atatggcttc   420
atttctcatg actgaagccc ggcaacataa cactgaaatt cgaatggcag tcagcaaagt   480
ggctgataaa atggatcatc tcatgactaa ggttgaagag ttacagaaac atagtgctgg   540
caattccatg cttattccta gcatgtcagt tacaatggaa acaagcatga ttatgagcaa   600
catccagcga atcattcagg aaaatgaaag attgaagcaa gagatccttg aaaagagcaa   660
tcggatagaa gaacagaatg acaagattag tgaactaatt gaacgaaatc agaggtatgt   720
tgagcagagt aacctgatga tggagaagag gaacaactca cttcagacag ccacagaaaa   780
cacacaggca agagtattgc atgctgaaca agagaaggcc aaggtgacag aggagttagc   840
agcggccact gcacaggtct ctcatctgca gctgaaaatg actgctcacc aaaaaaagga   900
aacagagctg cagatgcagc tgacagaaag cctgaaggag acagatcttc tcaggggcca   960
gctcaccaaa gtgcaggcaa agctctcaga gctccaagaa acctctgagc aagcacagtc   1020
caaattcaaa agtgaaaagc agaaccggaa acaactggaa ctcaaggtga catccctgga   1080
ggaggaactg actgaccttc gagttgagaa ggagtccttg gaaaagaacc tctcagaaag   1140
gaaaaagaag tcagctcaag agcgttctca ggccgaggag gagatagatg aaattcgcaa   1200
gtcataccag gaggaattgg acaaacttcg acagctcttg aaaaagactc gagtgtccac   1260
agaccaagca gctgcagagc agctgtcttt agtacaggct gagctacaga cccagtggga   1320
agcaaaatgt gaacatttgt tggcctccgc caaggatgag cacctgcagc agtaccagga   1380
ggtgtgcgca cagagagatg cctaccagca gaagctggta caacttcagg aaaagtctgt   1440
ttgttttgca gtgtttagcc ctccaggccc aaatcacagc tctcaccaag caaaatgaac   1500
agcacatcaa ggaactagag aagaacaagt cccagatgtc tggggttgaa gctgctgcat   1560
ctgacccctc agagaaggtc aagaagatca tgaaccaggt gttccagtcc ttacggagag   1620
agtttgagct ggaggaatct tacaatggca ggaccattct gggaaccatc atgaatacga   1680
tcaagatggt gactcttcag ctgttaaacc aacaggagca agagaaggaa gagagcagca   1740
gtgaagaaga agaagaaaaa gcagaagagc ggccacgaag accttcccag gagcagtcag   1800
cctcagccag ttctgggcag cctcaagcac ccctgaatag ggagaggcca gagtccccca   1860
tggtgccctc agagcaggtg tcgaggaag ctgtcccgtt gcctcctcag gccctcacca   1920
cttcccagga tggacacaga aggaaagggg actcagaagc tgaggcactc tcagagataa   1980
aagatggttc ccttccaccc gaactgtctt gcatcccatc ccacagagtt ctagggcccc   2040
cgacttcaat tccacctgag cccctaggcc ctgtatccat ggactctgag tgtgaggagt   2100
cacttgctgc cagcccaatg gcagctaaag cccgacaacc catcagggaa aggtctgtgt   2160
tcaggggaag taggcaccag atgggcccac ttacaaggaa aggttccaca agattgttcc   2220
ctggatttca ggaccccgag ggaggggggac ccactggcct tagggcttga aaagcccagg   2280
gagagcctca gcctccacag cttcaaggaa aggttgatgt tcactaggtt ccaccggttc   2340
cccacaaggg agcttttcaa gaacaggagg gcaggtttcc acagttttgc agggagca   2398
```

<210> 150
<211> 651
<212> DNA

80

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (33)...(31)
<223> similar to gi2230873 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 150
gcgttctttt ataagagttt tggtagtgta gggaggaaga tgatgacctg gaagaaagtg    60
aagacagtaa acaatgtaaa gaaagcttga aaagagtgac cttcactttg ctggatgatg   120
aggcaactga agatgcaggt gttttaaatg taaagaaaaa ttctgatgaa gttaaatcct   180
cttgaaaaaa gacaggaaaa ggagtcagct taagtagagc tccgcgtgtt ggttgcagaa   240
gtcgcctgtc ttccccgcag gaggctgttt gctcgctttg acactgaatg ctcccccaac   300
aaacacgttt agcttgcttg cccttctcac cgactgcgga gaggagtctc agtgcacagt   360
cgcagagaag gcgtgcgggg gcgtgcaggg gcgcacaggc gcctgcctct gcgggtggga   420
aaggaaggag gtgcccgggt ttccgctccc agggctcagc ctgccttggg cacctacggt   480
atgggagcct ttaacgtgga aaggaaagga gatcgatcac tcgagcctcc acttgccaag   540
cctgtggaag cgagacgcgg ggatcggctg ggaatgcctg gaagcaccgg cgcgcggagc   600
caggaagaag aaattgtgag acgaaacgga atcgtcgncg gggaattcga g             651


<210> 151
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(552)
<223> similar to gi2981631 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


<400> 151
ggtctaaata aatgcaaaga catcctgtgc taatagatta gaagacttaa tactggtaag    60
ataacaatat cacccaaggc aatatacaga ttcagtccca ttcctatcaa aagtacaatg   120
gaatttttta gaaatataga taaatgcaac ctaaaattca caggaaatat caaaagccaa   180
aacaatcttg aaaaagaaca gaaatcagac ttctcaattc tgaaacttat tataaagtta   240
cagtaatgac agagttacat ggcataaggc cagacataca gacaaattaa ataggattga   300
gagcccagaa gtaagccctt gcatatatgg tcagttgatt tttgacaagg gtgccaaaac   360
caatctctgg ggaaagaaca gtctcttcaa aaatggtact ggaaaaactg gatattcaca   420
aacaaaagaa tgaatctgaa tgtttacctt ataccacatg caacaattaa tttacaatgg   480
atcaaagatc ttaactaaag agctaaaaac tataagtcat ggaagaaaat gcagtaaaat   540

```
<210> 152
<211> 1179
<212> DNA
<213> Homo sapiens

<220> \
<221> misc_feature
<222> (140)...(1170)
<223> similar to gi157409 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 152
cccatcctta cccagccaga gaggctggag acggtatcgc gtggccaggg atgtgatgga    60
ggaatcccca gtgccctact ctgtcaaggg aggctcctac taataggaat cagagcccta   120
taaataatgt acctggtggc aggtaaacat caccctcctg gacatcaacg acaaccaccc   180
cacgtggaag gacgcaccct actacatcaa cctggtggag atgacccctc cagactctga   240
cgtgaccacg gtggtggctg ttgacccaga cctgggggag aatggcaccc tggtgtacag   300
catccagcca cccaacaagt tctacagcct caacagcacc acgggcaaga tccgcaccac   360
ccacgccatg ctggaccggg agaaccccga cccccatgag gccgagctga tgcgcaaaat   420
cgtcgtctct gttactgact gtggcaggcc ccctctgaaa gccaccagca gtgccacagt   480
gtttgtgaac ctcttggatc tcaatgacaa tgaccccacc tttcagaacc tgccttttgt   540
ggccgaggtg cttgaaggca tcccggcggg ggtctccatc taccaagtgg tggccatcga   600
cctcgatgag ggcctgaacg gcctggtgtc ctaccgcatg ccggtgggca tgccccgcat   660
ggacttcctc atcaacagca gcagcggcgt ggtggtcacc accaccgagc tggaccgcga   720
gcgcatcgcg gagtaccagc tgcgggtggt ggccagtgat gcaggcacgc ccaccaagag   780
ctccaccagc acgctcacca tccatgtgct ggatgtgaac gacgagacgc ccaccttctt   840
cccggccgtg tacaatgtgt ctgtgtccga ggacgtgcca cgcgagttcc gggtggtctg   900
gctgagctgc acggaacaac gacgtgggcc tcaatgcaga gctcagctac ttcatcacag   960
gtggcaacgt ggatgggaag ttcagcgtgg gttaccgcga tgccgttgtg agaaccgtgg  1020
tgggcctgga ccgggagacc acagccgcct acatgctcat cctggaggcc atcgacaacg  1080
gccctgtagg gaagcgacac acgggcacag ccaccgtgtt cgtcactgtc ctggatgtga  1140
atgacaaacg gcccataatt ctgcagagca gctatgtat                          1179
```

```
<210> 153
<211> 712
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(713)
<223> n = a,t,c or g

<220>
```

<221> misc_feature
<222> (553)...(6)
<223> similar to gi6680 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 153
gccggccccg ggccaccccc ggagccaccg cctccttccc agcggggttc ggccccgcaa   60
tctggagcca agccgtctcc gcagcctgcg acctgggtgg agggcgcctc aagtccccgg   120
cctccttcta gcggtgctgg gccggggtcc cgtcggaagc ccgccagccc tgggaggacc   180
ctgcgcaacg ggcgaggcgg tgaggccgaa cccctggacc tgtccttgcg ggcagggccg   240
ggaggcgagg ccgggcctgg gggtgccctc caccgctgcc tcttctgccc gttcgccact   300
ggagccccag agctcatggc cttgcacctt caagtgcacc acagccgccg ggctaggggc   360
cgccggccac cccaggctga cgcgtccccg ccctatgccc gagtaccatc aggagagacc   420
cctcccagtc cttcgcagga aggggaggag ggctccgggc tgtccagacc cggagaggca   480
gggctggggg ggcaagaacg gtagtgggcc ctcagggcg attagcttag tgagcttacc   540
ccgccggagc gggggagcgc tagaggtagt tgggtagaga agccagcagg gggcagcgtg   600
ggacccatat cccagcccca ggcggaccag aggtggaagg cgcggcgggc gtangagggt   660
gggctgncgg ttcccaccca tcccaaggga ggtccagtgc cttagaagtg cg   712

<210> 154
<211> 373
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(357)
<223> similar to gi854159 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 154
agaccggccc ccgctccctc agctgcgccg gaggaggcgc ccagtcctcg gggtgaaggg   60
tcgggggatg gcgaagcgaa gagtgcccgc tccggtgtgg gggggagcag gaggagggac   120
gaagtccgcc cgccgcgccg ccgccgcgcc tgacaccgag cggagcgagg aaggaggacg   180
agcggtgaag gaagcctacc cttccagccg tcagccgccg ccgccgtcgc cgtgacccct   240
gcgttgcgcc cggcgctgcc acccgaactt agccccctcg atgccaattt caaatagggа   300
aggaaaaggg aaaagaaggg aagagaaaat ccggccgctg agtcccgcgt ccactcacac   360
ctccgctcgt gcc   373

<210> 155
<211> 409
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(412)
<223> similar to gi3043632 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 155
ggaccggaag gaggagcggc tgaggagccc aaggagcggg gcggcggcca ctaggagctc   60
aggaggcaag ggcgtggccg agtgggaccc acttccctgc ctggacccag aactctggga   120
tcagtttgac aacttagaaa atcgatagtc ttgagaaatt catcatatct gccaaggaaa   180
ggactgagat tgaactcagc tatacaaaac aactcaggaa tcttttaaag acatgccaac   240
ctaaaaggaa ctggaaggag aaagaataca ttacgtaaaa ctctccttcc ctccctgtga   300
acaaaatgag tgatcacgct aggcagcatt aagttatctt cttfgaggtc ttgaactttc   360
agatcaccgt ggagttacaa gggcatgttc aaaaccaaaa gcaggagag   409

<210> 156
<211> 915
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (287)...(917)
<223> similar to gi55471 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 156
cctataaaca gactggcaga tgatatagtg cttaatgtct tgcctcagtt tgtcattgtg   60
tcagaacatc cgaaaaaaga taggagaaaa gttggagttt agggcataat tttcctgtaa   120
taatttggag ctcaaaaata ttacaatgag aaaataaaaa gctattaatt agcaggagac   180
ttaatcacat gaagaatttc aattagatat ttcttctacg tagtatagtt ataactttgc   240
attccattgt tttccttctc tatagtccat tgtatttctg tggggttttt tttttttcagg   300
ttttgagttc aagaacgaga ttaaaaaaga aaatctaaaa tgggatgatt cagaggaagt   360
agaattaaac aaggctttac agagaaagtc cagaggagtt tattggcact ctgagctaca   420
aaaaggcttg gagagtgagc caacatcaag aaggcaatgt agaaattctc caggggagag   480
tgaggagaaa accccatccc aggagaagat gagtcaccag agttttgtg ccagggacaa   540
agcctgtaca catatcctct gtgggaaaaa ctgctctcag agtgtgcact ctccccacaa   600
gccagcgctc aaactggaaa aagtatctca atgtcctgaa tgtgggaaaa cctttagccg   660
aagttcttat cttgttcggc atcaaagaat ccacacaggc gagaagcctc acaagtgcag   720
tgagtgcggg aagggcttta gtgagcgctc caacctcact gcccacctac gaactcacac   780
aggggagagg ccctatcagt gtgggcaatg tgggaaaagc ttcaaccaga gttccagcct   840
cattgtccac cagaggaccc ataccgggga aaagccttac cagtgcattg tctgtggaaa   900
gagattcaac aacag   915

84

<210> 157
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (555)...(15)
<223> similar to gi187185 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 157
```
gagggatact ctagagcggc cgccgccagc tgcgccccca ccaggctgcc cggcttggtg    60
gggtcaagtg ccacgccgtg tggcaggaac tggggcgggt agccggcgta ggccccggcc   120
aggctgcctg ggtaggtcat acccgcggga ggcagaggga acactgtctg gcccggcttg   180
tagggtgaca cgggagccac cagcccagag cccaacactg aggaggaggt gggcgcgctg   240
gggccggagc cggagctgga gcccgatgaa ccgccgcagt ccgagcccag agccttgcct   300
cccgggcccc catccggatg ctggttcaca tccacattaa tcccgccgcc gcagctaatc   360
cggccgtgtg ccagccccgt gggtcccect tcggccgagg cgcccccggt gcccttgcca   420
ccgccgccca cgtcggtgtc tttcttgtcg tccttgccct ccggggcacc cccggccgag   480
gacagcatac ctcccggcga gcaggccgag gcgctggagc tcgggctgcc tgtcctgggc   540
gtgaatggct ggcaggtggc gctcggtacc cggaatcccg acttctccga               590
```

<210> 158
<211> 326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(327)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (23)...(326)
<223> similar to gi406058 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 158
```
cccacgcgtc cggngacagg cctggccggc ctctgcagag acgtccaacc tcgtgcgcat    60
gcgcagccag gccctgggcc agtcggcgcc ctcgctcacc gccagcctga aggagctgag   120
tctccccaga agaggaagtt tccctgtgtg tccaaatgct gggagaacat caccccttgg   180
atgaattgcc accacattaa ataaaatata tccaaagctc nnnnnnnnnn nnnngggggg   240
gccgtttaa aggacccttg gggggggccaa ggtttacgcg ggctggcaag gtaatagttt   300
```

<210> 159
<211> 963
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (63)...(915)
<223> similar to gi2224629 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 159
ctcctagtcc cctccctagc ctgtcccttc ctcctcccgt tgctcctggt ggccaggaga   60
gcccttcacc ccacacagct gaggtggaga gtgaggcctc accacctcct gctcggcccc   120
tcccagggga agccaggctg gcgcccatct ctgaagaggg aaagccgcag cttgttgggc   180
gtttcccaag tgacttcatc caaggaaccg gctgagcctc ttcccttgca gccaacatcc   240
cccactctct ctggttctcc aaaaccttca acccctcagc tcacttcaga gagctcagat   300
acagaggaca gtgctggagg cgggccagag accagggaag ctctggctga gagcgaccgt   360
gcagctgagg gtctggggggc tggagttgag gaggaaggag atgatgggaa ggaaccccaa   420
gttgggggca gcccccaacc cctgagccat cccagcccag tgtggatgaa ctactcctac   480
agcagcctgt gtttgagcag cgaggagtca gaaagcagtg gggaagatga ggagttctgg   540
gctgagctgc agagtcttcg gcagaagcac ttgtcagagg tggaaacact acagacacta   600
cagaaaaaag aaattgaaga tttgtacagc cggctgggga agcagccccc accgggtatt   660
gtggccccag ctgctatgct gtccagccgc cagcgccgcc tctccaaggg cagcttcccc   720
acctcccgcc gcaacagcct acagcgctct gagcccccag gccctggtga gactgcagtc   780
acccagcttc catcttttcc ctgagacccc tttctgtcga ctgtttttct ccaggccctg   840
ggggtctgcc ccggggggaat agacccccct tccccacctc cccttttcctc acttagtgct   900
ctccttcccc catcctggct ccaggcatca tgcgaaggaa ctctctgagt ggcagcagca   960
ccg   963

<210> 160
<211> 319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(319)
<223> similar to gi2197085 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 160

```
cgcaacatat aaaaaggatt atacgctatg attgaaaata aattgatttt caacaccatg      60
attaagtgga atttgttcca ggaacgcaag gttgattaaa cacgcaaaaa cctatcagtg     120
tgatacacca tactaataaa atagaggcca aaacccacat gatcatctca ataaacacag     180
aaaatgcatt tgataaaatc taacatcttt tcataataaa aacacatgtt gaagggtata     240
tagaaagccc acagctaaca ttatactaaa tggtgtatat tcagtcttta ctgaaagttt     300
ttcccctaag atcaggaat                                                 319
```

<210> 161
<211> 968
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(969)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (42)...(968)
<223> similar to gi2105420 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 161

```
gcaaggggca gttggtgaac ttgctgcctc cagagaattt tccctggtgt ggaggcagcc      60
agggacccag gatgctccgg acctgttacg tgctctgttc ccaagctggt ccccgctcca     120
ggggctggca gtccctgagc tttgatggcg gggccttcca ccttaagggc acaggagagc     180
tgacacgggc cttgctggtt ctccggctgt gtgcctggcc cccactcgtc actcacgggc     240
tgttgctcca ggcctggtct cggcgactcc tgggctcccg gctctcaggc gcatttctcc     300
gagcatccgt ctatgggcag tttgtggctg gtgagacagc agaggaggtg aagggctgcg     360
tgcagcagct gcggaccctc agcctccgac cactgctggc agtgcccact gaggaggagc     420
cggactctgc tgccaagagt ggtgaggcgt ggtatgaggg gaacctcggt gctatgctgc     480
ggtgtgtgga cctgtcacgg ggcctcctgg agcccccag cctggctgag gccagcctca     540
tgcagctgaa ggtgacggcg ctgaccagta ctcggctctg taaggagcta gcctcgtggg     600
tcagaaggcc aggagcctcc ttggagctga ccccgagag gctggctgaa gctatggact     660
ctgggcagaa cctccaggtc tcctgcctca atgctgagca gaaccagcac ctccgggcct     720
ccctcagccg cctgcatcgg gtggcacagt atgcccgggc ccagcacgtg cggctcctgg     780
tggatgcgga gtacacctca ctgaaccctg cgctctcgct gctggtggct gccctggctg     840
tgcgctggaa cagcccgggt gaaggcgggc cctgggtgtg gaacacctac caggcctgtc     900
taaaggacac attctagcgg ctggggaggg atgcanaggc tgcgcacagg gccggcctgg     960
ccttcggg                                                             968
```

<210> 162
<211> 401
<212> DNA
```

87

<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(400)
<223> similar to gi1335205 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 162
ctttaaattg atgctgagaa aactgataaa attcaacatc ctctcatgat aaaaaccctc   60
acaaatctgg gcatagaaaa aacatacatc aacataataa aagtcatacc caacagaccc   120
atggcctgta tcataataaa tggaacaaaa gtgaaagcct ttcctgtaag atctgaaaga   180
caaagatgtt ccccttcacc attgctattc aacataggac tgaaagtccc agctagagca   240
attgaaaaag agaaagaaat gaagggtata tgaattggaa agaaagaaat caaattatgc   300
ttatctggaa atgataatga ccttatattt gaaacaacct aaaaactccc ccaaaactat   360
tagaactgat acattcagta aagttgcagg atacaaaaat a   401

        <210> 163
        <211> 416
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(406)
        <223> similar to gi2981631 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 163
ctggaccaaa tggacctaac agatatttac agaacattcc atccaacagt tgcagaatac   60
acattttct caacagcaca tggaatattc tccaggattg atcatacatt aggtcacaaa   120
acaagtttta acaaattttt aaaattgaaa ttatatttat cttgtcacag tggaataaaa   180
ctagaaatct ataatcagag gaacattgga aacagtacaa attaatggaa attaaacaac   240
aaatggacca atgaagaaat tttaaagtaa attttaaaat ttcttgagac aaatgaaaat   300
ggaaacaaaa taccaaaacc tatgggatac agcaaaagcg gttctaagag ggaagtgtat   360
agcaataaac gtctatatca aaaaagtaaa aagacttcaa ataacctaac gaaacg   416

        <210> 164
        <211> 1518
        <212> DNA
        <213> Homo sapiens

        <220>

<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(400)
<223> similar to gi1335205 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 162
ctttaaattg atgctgagaa aactgataaa attcaacatc ctctcatgat aaaaaccctc   60
acaaatctgg gcatagaaaa aacatacatc aacataataa aagtcatacc caacagaccc   120
atggcctgta tcataataaa tggaacaaaa gtgaaagcct ttcctgtaag atctgaaaga   180
caaagatgtt cccttcacc attgctattc aacataggac tgaaagtccc agctagagca   240
attgaaaaag agaaagaaat gaagggtata tgaattggaa agaaagaaat caaattatgc   300
ttatctggaa atgataatga ccttatattt gaaacaacct aaaaactccc ccaaaactat   360
tagaactgat acattcagta aagttgcagg atacaaaaat a   401

        <210> 163
        <211> 416
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(406)
        <223> similar to gi2981631 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 163
ctggaccaaa tggacctaac agatatttac agaacattcc atccaacagt tgcagaatac   60
acattttct caacagcaca tggaatattc tccaggattg atcatacatt aggtcacaaa   120
acaagtttta acaaattttt aaaattgaaa ttatatttat cttgtcacag tggaataaaa   180
ctagaaatct ataatcagag gaacattgga aacagtacaa attaatggaa attaaacaac   240
aaatggacca atgaagaaat tttaaagtaa attttaaaat ttcttgagac aaatgaaaat   300
ggaaacaaaa taccaaaacc tatgggatac agcaaaagcg gttctaagag ggaagtgtat   360
agcaataaac gtctatatca aaaaagtaaa aagacttcaa ataacctaac gaaacg   416

        <210> 164
        <211> 1518
        <212> DNA
        <213> Homo sapiens

        <220>

<221> misc_feature
<222> (111)...(1498)
<223> similar to gi4519617 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 164
gttgaaccca gacccctggc tcccagctgc ttggctccag ccacaacact gctgaccctt   60
ggcagcccca gagctgccag taggccccat tatgaagtcc ataggcagag ggcacacgtg   120
gcttccatac ccaaactgca attcctggtc ctcttgctgg agaccctaga ggtaggtggc   180
tatagatgga gccagtgagg cctagaaatg gggagcatgt ttcctgttcc caaccagcga   240
ggtgtcagta aatcaccagg agcgcggagc agccctgcc cgggaccata gctggtgatc   300
ccccatagtg ggcaaccacg cccagcctgc ttccttgatt ggccaagttt ggggtgaggg   360
ggtggttgta gggtttcct tagggatggc agccctattg gggtctgtgg gtgctcaggg   420
ctgcgggccg catgcctgct caccaggccc tgcccaccta tgctcgctcc tttctctctg   480
tcagcgttgg ggccttcgtg aagacctggc tgcccttcat ccttctcctg ggcatcatcc   540
tcaccgtcag cctggtcttt aacctccggt gatggctgct cggtggcccc acacccacca   600
ggggtcccga ggaaacagcc gccatcctt ttggttccag attttttct cctcacccca   660
aaaggcaggg ttgggcctgc tgttgtggac cgggggtcgg ggctggcagg atggaaggac   720
tgaggaccag catgaagtgg gggtttgttg tctccctgcc tctcagaagc accctgtccc   780
ctcctcccca ggcctgtgac tccggccctg gaagcccctt tgttcttctg ttgaaaggct   840
ttggcttccc tctgtagagc tgctcccgcc accacctgct ggggtcctgc ctcagcccag   900
tgcccagtat ggggagagga ggacatttgg gctcacctgt caaggtggcc ctgggaccag   960
agctggtccc agcatggggt gcaccgggta cacttaacgt gtctctataa gccaagttgc   1020
ttcaggacct tcaccactgg cctctagaat ggtccagagg ggctggctgg gtccctttgt   1080
cagactcctg ccggcagctg ccctggggga catgtgtgcc catctggcat cctccagccc   1140
gtgcagtccg ctcttcactg ttccacggcc tcccagtgcc tcccagcatt ggacccatct   1200
ccccctgcag tttgaggcca gagaggtgag tggacctgac aagtgccaga gtaaccgtgt   1260
agacagagca gtgtagacag cactcagccc cagccccagg tgtggacctc atgctggtga   1320
tggctcccct gggtggcctg ccagcacagc cagtgccatc agggagctga aggggctgtc   1380
ccccacctaa ctccagctcc cccttcacgt tgtcaccaag gccctgtgcc gcccgcctcg   1440
cccccctgct ctgtggattc ctttgggaag ggctccctgg gcaggacaat aaagagtttt   1500
gactccaaaa aaaaaaaa   1518

<210> 165
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(352)
<223> similar to gi804788 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 165
attcaatcag taatgagaac ttcccaacaa aggaaagcca aggaccagaa actttcactg   60
gtgaattcta ccagacattt aaagattaac accatccttt ctcaaactct tccaaataac   120

89

```
tgaagaagca ggaacacttc ccagctcatt ctatgagatc agcattacca taataccaaa      180
gccagaaaaa aaatcacaag aaaattacag tgcaatgtat cttatgaata tagacacaaa      240
aatctttcag taaaatacta gcaacccaaa tctaaccata tattaacgtc attatacact      300
atgaccaggt gggatttatc ccaggaatgc aaagttcatt taacgtaata aatcg          355
```

```
        <210> 166
        <211> 335
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (55)...(266)
        <223> similar to gi296617 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 166
ttttattttt taagagaaat ttctcgccac gaggggaagg ggggggtttt tcccccctt       60
cccctaaaa aatttttttt tcccccaagg gcgtaaattt ttgggggggg gggggccca       120
aatggccccc ccccaaaaaa agggtttttt ccaaaaattc cccggggggt tttaaaaacc      180
cccccaaaa aaaaaaaaaa ttttttttc ccccccggt aaaattgggc cccccaagg        240
gtttttttaa aagggccccc ccttttttttt ttttttttttt ttttttttttt ttttttttttt   300
tttaggggggt taaaaacttt tttttaaaaa aaaaa                               335
```

```
        <210> 167
        <211> 982
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (17)...(903)
        <223> similar to gi5832876 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 167
atccacgacg agctgagccg cgccgcccgc gcctccggac gggccccgcc acgccgccgg       60
cgccgccaac gcgggacccg cagccggccc gcgtcgtcct gtcaacctcg actcagcgct      120
ggccgcgctg cgcaaggaga tggtggggct gcggcagttg gacatgtcct tgttgtgcca      180
gctgtggggc ctgtacgagt caatccagga ctacaaacac ctgtgccaag acctgagctt      240
ctgccaggac ctgtcatcct ccctccattc ggacagctcc tacccaccgg atgcgggcct      300
gtctgacgac gaggagcctc ccgatgccag cctgcctcct gacccgccac cccttactgt      360
gccccagacg cacaatgccc gtgaccagtg gctgcaggat gccttccaca tcagcctctg      420
```

90

```
aagggctggg gggcaggggg catgcaccca tgcaaaaggc tcagaaactc cccctccggc    480
aagccctcag acttcggagc ctgcgccttc ccccctaccg cctcacctca caggagggcc    540
aggcatgtat tcctcagagg cgaaactgcc aaactctttc tcctgtcttg ggttggctgg    600
cactggggcg ggcatctagg gtacagcctc tgctcatggc actgggcctc cagttcttcc    660
acatgtgtgc accccagct  tggccaaccc tcagccttgc ggtggggccc gaagcatctt    720
cccttccgct tggcgtctct gggattggga tgagtgcctg gctcccatct cctcctcacc    780
ttttgttgct atcggcagct gctggctcag gggcatccca cctccgggct ctgggttcct    840
ctgccctgga agggctccag gacccgtccc aataaccacc cacggccagg agggccaagg    900
ccccgtgctg gatatttaaa tttaggggcc ggtctccagg gcgcgtagat aaataaatac    960
actcagcgtc aaaaaaaaaa aa                                             982
```

<210> 168
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(378)
<223> similar to gi1335205 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 168
```
atataggggga gggggataat ccctttcctt aaactgtaca caaaagtgaa ctccaaatgg     60
atgaaagacc tacatatgaa gggtaaaatg gaaagacttc tagaagaaaa cataggagca    120
aatcatcttg accttggagt aggcaaaggt cttttaggac acaaaaagca tgaactatta    180
acagaagtag tcgataaatt gtagtctatt aaaattaaaa aatgctattc gaaaggcacc    240
attaaaaatt gagaagacaa gccaaaaaga agacaaggca aaactgttcg tatgcatata    300
tttgacagag aacttgcatc cagaatacat aaatccaatt caataagaag acaaacctat    360
cagttaaaaa atggacaa                                                  378
```

<210> 169
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(557)
<223> similar to gi172270 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 169

```
cacgatgtca taaggtttcc ctatttggat ccacctaatg agagacttat tttagaagct      60
cttaaacaac tttaccagtg tgatgctatt gacaggagtg gccatgtcac cagattgggt     120
ttgtctatgg tggagtttcc tttgcctcca catctgacat gtgcagtaat aaaagctgct     180
tccctggatt gtgaagatct actacttcca atagcagcaa tgttgtctgt ggaaaacgtc     240
ttcattagac ctgttgatcc agagtaccag aaggaagcag aacagagaca tcgagaattg     300
gcagctaaag ctggaggatt taatgacttt gcaactttag ctgtcatctt tgaacaatgc     360
aaatcaagtg gagctccagc ttcatggtgc caaaaacact ggattcattg gaggtgctta     420
ttttctgcat ttcgtgtgga agctcaactt cgagaactaa tcaggaagct taaacagcaa     480
aagtgatttc ccaaaagaga cctttgaagg ccctaaacat gaagtactac gaagatgtct     540
ttgtgcgggc tatttcaaaa atgtagc                                         567
```


<210> 170
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)...(533)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 170
```
cccacgcgtc cgacaggcat gagccaccat gcccagccat gaattttttt ttaagaccca      60
acagtatgct gcctacaaga gtcacctcac ttttaaggac acccatagac tgaaagtgaa     120
aagttggaaa aagatactcc atgcaaatag aaaccaaaag aaagcaggga tagctaaact     180
tatatcagac aaaatagact ttaagtcaaa aactgtaaaa agagacatta tataatgata     240
agagcatcaa ttcatcaaga ggatataaca gttatatatg cacccaacat tgaaacacct     300
aaatacataa aatattgaag gatctgaagg gagggataaa ttgcaataca ataatagtag     360
gagactttaa tactctacag ataatccaga cagaaaatta ataaacattg ggcttgaaca     420
atactgtaga ccaaatggac ctaactgacg tttcatccaa cagcaactgt atacacatcc     480
ttctcaagca tacatggaac attctccagg atagatcaaa tgttaaggca caaca          535
```


<210> 171
<211> 1041
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(1034)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 171
atcgcactcc agcctgggca acagagcgag actccgtctc aaaaaacaac aacaacaaaa      60
tatgtgatgc gaaaactgat agaactacaa ggggaaatag atgaattcac tgtctgcagt     120
tggagatcca gcaccctcta tcgtaaatgg acagatccag caggatgcag ttgagtttaa     180
cagcaccatc acatcagtca gctgggaata atttacatct gtagactgct tcatccaacg     240
atagcagaat gcacattcct gccaagctca tgtggaacat tcactaagat agaccacatt     300
ctgggccaca aaacacttta acatacttga agaatagaaa acatagaatg tctattctca     360
gaccacaatg acatgaaact agaaatgaaa ccagaaagat agctagaaaa tcctaaagta     420
cttggcaaat aacacacttc caaataacac gagtcaaaga agatatctca agataaattt     480
tagaatattt tgaattaagt gaaaatgaaa ataaaactta ccaaaatttg tggaatgctg     540
tgaatgcagt gcttagaggg aaatttatag cattgactgc atgtattaga aaatgggaaa     600
gatctaaaat cataatgtaa gctttcactc taggaaacta gaaaagaag agcaaattaa      660
atacaaagta agcagaagaa aagaaataaa aattcaagca gaaatcaatg aaatggaaaa     720
caggaaatca atagagaaaa tcaacgaaac cagaagatgg tttgaaaaaa caataaaatc     780
agtaaacctt tagccagact aagacaaaga agagagagga cacaaaatac taatatcaaa     840
tgaaagaggg aacatcacta cagagatgtc ccacagactt ttaaagggta ataaaaaaaa     900
aaggatgaac aactttgggc ccaaatttga taaatgaacc aattctttga ggtacacaat     960
ttcccaaaca cgggaagaaa tagacaattt gaatagggtt atgtttgtta aataagtcaa    1020
atcaacaatt accttccaaa a                                              1041
```


<210> 172
<211> 1991
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (554)...(1927)
<223> similar to gi161436 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


```
<400> 172
tttttttttt gtagaaatgg gatctcacta tgttgccagg gcttgtctca aactcctggg      60
ctcaagcgat ctacctgcct tggcctccca aagcattggg caggcccatt acgccatgag     120
ccaccacacc tgctggtttt tgttttttaa atggaattga aaggaactag ccttggctag     180
ttgcagaatt cacacatatg gggctatggc aacagcagat tctggagtct cagggtcttt     240
tctttctaga taagttacag ggcaattgct tttcagagta cttttacatt tctattccat     300
tcttgtcagt aaagacaagg atcccataag ctgatggaga aactgaggcc tctagaaaaa     360
aacgctggga atggcaccca gggtgctgaa ttccagggtc tcctcttttc tgccacaggc     420
acacatgccc cagcagcccc tttggagagc cccctctcta tagggtacta gccggggggct     480
cagactctgg agtcagacgg cttccgaggg atgaggcctc agacaagtaa ctcagctttg     540
aaatgttttc agtggggaga gaaatagccc cctcccaggg ctgtgctccg ggaactgact     600
gagggctaac tattatgggc ccaccccatt gttggaatgt cttcagccac atgggggaat     660
gggtggaaga agaggccggg atgtgtcctg ccagctagag cagcgaagaa atcccagcgg     720
ggccccagga agtccaagcc catggggttc aggtgctcct ctctggctat tccttcagac     780
ccgcagctgc tggacacagg ccacagagct ggtgcctccc gcgccatcac tgcagtgcag     840
cctgggtgga tggaggaagc caaggggaac ggcctgggct cagagtaagg agaccttgcc     900
ccgggggaca aacggtgtct gaagtgcagg ggtgaagcgg tctccagtcc tcaggggcct     960
ggaaatcagc tccttgggac acggtcttat gtgtattgac cattctcccc atccattccc    1020
```


93

```
tcttcggaat gtttcagctg ttctgagaaa acactttgca ttcctgcccc gcccctgtga  1080
tttctctttg ggtggcaggc agccgggaga ggctggaggc ctggggagat gggggcaggg  1140
cacaaggcta agctcagcac cttcctccac cctcctcact gtactcaact cctaggcggg  1200
cactaagagc agctgccttc ctggacccac cttaacctct tgtgactcaa ctcccctttc  1260
cagggtgcag ggaacattcc ctctgccctg ccttccagct ctggccacag tggcctggac  1320
agagtagctg ggtcccaggc ctgcccctgt ggacgaggga ccagggacca agagcgcact  1380
ccagccctga gcccagagcc tgcaaagccc aaagcaaggc ccataaacgg aggctacgtg  1440
ctcgttcctg caggatcctg gaaaagcagg cccaggccca tggctctgcc ctccttctgg  1500
ccctgaaggg tcacgatgct cttggccatc aggaggaagt acctgcagcg ccggtgcctc  1560
gaggcactgc ttcacgggct gcggggttcc cagcaggcca ggtgcctggc agtggcatgg  1620
cagcactggg tggatgccca aggggcagag cagctggggc ggaccctggc ctttaagaag  1680
tggcaccaac gcctggcagc caggagccca aggagaggag ctgccagtag cccaagaccc  1740
tggagcaagc caggccccaa gggccccgag agtggacagg aagccgccgg agcaccgcgg  1800
ggttggggggc ttggggcaga gcatggggcc cagctgcagc tgtgacttgt tctcatagaa  1860
taaaaaacag aactgaactt agccttccca gggaaggaac catgccccac acatccaggg  1920
agtgatgaca gaggggacag ctataaagag ctctgaagga caataaaacc cactcctcag  1980
tcctaaaaaa a                                                       1991
```

<210> 173
<211> 868
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (196)...(678)
<223> similar to gi3452473 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 173

```
cccacgcgtc cggaataaag agagaactct gttactattg tttttacatc accaaataat    60
tatttaatat cgttagctaa gagaagaatt ggctatgaac tgtactttaa caactgacac   120
aactgcatac aagttataaa gtttaataat ctttatcatc ttggaaaata aatctcttct   180
tgctaagtat cagtttttaa aaattgcccc atgtattaga tatgtatttt tttaacaaaa   240
atgttctgtg tattaattat tttgaaataa attttaagtt cacaaaaagc cattacaaga   300
agtggaaata gcagcaatta cacatggtgc tcttcaggga ttagcctact tacattctca   360
tactatgatt catagagata tcaaagcagg aaatatcctt ctgacagaac caggccaggt   420
gaaacttgct gactttggct ctgcttccat ggcatcacct gccaattcct ttgtgggaac   480
gccgtattgg atggccccag aagtaatttt agccatggat gaaggacaat atgatggcaa   540
agtagatgtg tggtctcttg gaataacatg tattgaacta gcggaaagga agcctccttt   600
atttaatatg aatgcaatga gtgccttata tcacatagcc caaaatgaat cccctacact   660
acagtctaat gaatggtgag tattgttaat atatatattg ctcagtgttg aataaatgaa   720
atgctttttc ataatctgtt atcaaagtga tttaatttca gttaggtaaa atgtatcacc   780
ttataagata ttaaaataga tgtattttac ccttttaaat atatttattc tttatcatgt   840
ttccatttca tggcatacgt ataactgg                                      868
```

<210> 174
<211> 1812
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (95)...(1812)
<223> similar to gi214042 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 174
gccttgcttg gaggcaaagc gtcctccact ctgtcctcag gactcagctg tgtggccttg   60
gatttctttt tgcgggactt gcgccctttg ggtgccaacg gtccaggatc cccctggaac   120
cagatggtac ggccatgccg gtcctgcagg gagctcatgc ctggcatgcc atagcagcgc   180
agccaggctc gaaaggcagc aaagtcctcc tccccgctct ctgacccgta gccctgccc   240
cccaactgga ccacttcctt gggcactgag tgacatagct ccagcaggtc tggattctgc   300
agcttggtcc ttatcttctg gctcagggtc agctccgggc tcggcctgtg ctgctgcagg   360
gcctccagga ccgagcgggc cttctcaaag gggggatct tcagccggta caggatctct   420
gcccgcagat agttgccaat gccattgaag aacctctggt ccaggagggc ctcgcagatg   480
ggccggtcaa aggccttatc cgctaggttt cgtagcacat tctccctgaa ctgctggtac   540
tcctgcaaga cacagggccc gcggcccggc tgccactttc ccccaaggtc ccagcggccg   600
aaccggcgga tgtccacgaa acatagggcg agccgggggc caggcggggc cgtgtaaaag   660
cgcaggtggg catggcgtgg cagctcctcg cggggcacca gctgaaaaga gccggacatg   720
ccgaagcgga agaccagggc cagtggctcc tgttggggct gggccccagg cagagggctc   780
agtatcaggc gcagctcctt gccgcgggct gaagctgaga tgcggtaggc actgctctca   840
aagggcacct cagggttgcg gctgacagag gacttctcca cgcagccgcc gaacaccagc   900
gccctgcagg cctcattcac aaactggctg gccaggtgca gctcggggcc ctcaggcatc   960
ctgagggagg gtggcagagt cctggctggg aggtggcgga agaacctgac ttcccactgc   1020
ctggcgccgg cgagatgcgg gggcaggtct gaggccccgg gtcgccgctg tctctgcggt   1080
tgggggaagt cacccagcta gcgtgggaca gggtcggcac ccccagcagg aaacagcagc   1140
gacgagccag agcggagtcg cctgcagctg cgcgcaggac gtgcacaggt gcgcggtacg   1200
cacaggccct agggacccgg tggggatctt aagcaccaac gaacagtcag acctaactca   1260
taaacaaaca tcatcacggc ctgccctgtc agaagcgcag ccaagcaaca acaacaacaa   1320
aaaaaggcga ggaggtagac ccacttgaga tggttctgtt gcggagagtc tctgaaatca   1380
gaaagcgcca gtccgcaaaa acgaggaaac ccgacgtgtc cggcggaagg aaccgccagt   1440
acaaaggccc tgaggcgaga aagagattgg tcactgaaag aactcaaaga agtcctgtgt   1500
ggctggagta tagctgcggg ttagtgctgg caggtgaaga cagagaagca aacccaggtc   1560
aggtccggtt gggcctcggg agggcctccg tgtggagtct gcacttcatt ctaagtgtat   1620
acctaaccca tcgccacgat ttcccctcct tcacactacc ctgctacgtc tccttattag   1680
gcgtaataaa attatgtggc tttgtaagaa attggttttt agagatgcat gttaaagtat   1740
tgggtatgaa atgtcatgat ttgtctaatt tactttaaaa tacttctgcc ataataaatg   1800
aatagaatta ac   1812

<210> 175
<211> 532
<212> DNA
<213> Homo sapiens

<220>

95

<221> misc_feature
<222> (10)...(533)
<223> similar to gi3599473 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 175
tgcgctcacc ctcaggaact cagggctcaa agtcggccgg gttaaagggc gctttcctcg   60
tacagtcaaa gcccgggggc gccccgacag agcagctcct tgcaggggtg ccagtcacag   120
gaccggacgg cgccctccct cagtgtcctg ggtgccatct tcgggcccag gccccacacc   180
accccctccc tccagcagga gcaaagacgt gggaaaacca gcccagagct gggtccgagg   240
cggccccacc cagcctaaca cgggacagct gccgaaagag gggctgagga cgccccaccc   300
agtccctaga gctggaatcc cttcctccag acaggccctt ctaagctcag ggaacccggg   360
gactcgggca cccagcgccc cagcactccg ccccgaggcc caggcaagtc cagcggagtt   420
tccaggcgca ccattcctga gctaggtggg gagaggctgg gtggcgcccg tttccaggag   480
cccccacccc agccggcagc gagcttcccg ggagcagccg ctacccaggc gc   532

         <210> 176
         <211> 427
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (3)...(368)
         <223> similar to gi3184263 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

        <400> 176
ctcccgacta ggtctggtgc ctgtttgggg acggagcttt tggctacagc ctcatcgtat   60
ttgatacatt cgtcagacac aaggtgactg ggctggcctg agggaagctt agggcctggg   120
gttctgggag atttcaccag gggtgggctg aggtggggag ggagcctcct ctctggcaga   180
ggccctatcc ctgtctctgt cctctggctg gccaagccat ggggctgaag gctgcggcct   240
gccttcatca tcttcctgta gatcccagtg atggccttgg tagggaatga tgctggctgg   300
acacagattt ctcgggagca ggtgccctct ctgggcagca acgtggcctg tggcctggcc   360
tacactggtg aggggggcctc agcgaggttg ggaggacagg aggctgtttc agtcccagct   420
gggcttg   427

         <210> 177
         <211> 823
         <212> DNA
         <213> Homo sapiens

         <220>

<221> misc_feature
<222> (7)...(791)
<223> similar to gi4538905 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 177
```
gggggctaca ccaagagtgg ctatgactct gcatgtaaag actttgtccc tcatgacttg      60
gaggtccaga ttcctggaag agtctttttg gtcactggag gaaacagcgg cattggcaaa     120
gcaactgccc ttgaaatcgc caagcgaggt ggcacagttc acctggtttg tcgagatcaa     180
gccccagcag aagatgccag gggtgagatc atccgggaga tgcggtaacc agaacatttt     240
tctgcacatt gtggacttgt ctgatcccaa gaaaatctgg aaatttgttg aaaatttcaa     300
gcaggaacat aaactccatg ttcttgatca ataatgcagg ttgcatggtc aataaaagag     360
aagctcacaa gaagatggac tttgaaaaaa actttggttg ccaatactct ggggtgtgta     420
catttctcac gacccggcct gatcccctgt gctggagaaa gaacacggac ccccgagtga     480
taacccgtct cctcaggagg aatgttggtt cagaaactga acaaccaatg atctccagtc     540
cgaaagaaca ccatttggat gggaactatg gtctatgcac aaaacaaggt cagtgagagg     600
cagcaagtgg ttctgacggg agcggtgggg cccaagggca cccggccatc catttttctt     660
ccatgcatcc tggctgggcc tgacaccca ggtgtgaggc aggcgatgcc ggggttccac     720
gtccaggctt cggggtatcg cctgcgctcc gaggcccagg gcgcggacac catgctgtgg     780
ctggccctct cctcagcacg cagccgcaca gcccagcggc cgc                       823
```

<210> 178
<211> 715
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(717)
<223> similar to gi488555 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 178
```
ccatcgtaga cttcatactg gagagaaatc ttacaaatgt acaatttgtg acaaggcttt      60
cgtgcgtaat tcactcctgt caagacatac cagaattcac actgcagaga aaccttacaa     120
gtgtaatgaa tgtgggaagg cttttaatca acaatcacac ctttcacgtc atcatagaat     180
tcatactgga gagaaacctt agaaatgtga agcatgtgac aaagtttcca tttggaaatc     240
acaccttaaa gacataggag aatttatact ggagagaaag cttacaaatg taaggtttct     300
gacaagactt gggagtgatt cacacctgga acaacatact ggacttcaca ctggagagaa     360
accttacaag tgtaatgagt gtggcaaagc ctttggcaag cagtcaacac ttattcacca     420
tcaggcaatt catggtgtag ggaaacttga ctaatgtaat gattgtcaca aagtcttcag     480
taatgctaca acgattacaa atcattggag aatccataat gaagagagat cttacaagtg     540
taataaatgt ggcaaatttt tcagagatcg ttcacatatt gcaggtcatc ggtgaactca     600
tactggagag aaaccttaca aatgtcatga ctgtgccaag gtcttcagtc aagcttcatc     660
ctatgcaaaa cataggagaa tttatacagg agagaaacct cacaagtgtg atgat          715
```

97

<210> 179
<211> 1024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(614)
<223> similar to gi3184082 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 179
```
aaatcctgaa aactgggcct attacaáagg cttggaaaaa gcactcaagc caactaatat      60
gttagaacgg ctaaaaattt atgaggaagc ctggactaaa tatcccaggg gactggtgcc     120
aagaaggctg ccgttaaact ttttatctgg tgagaagttt aaagaatgtt tggataagtt     180
cctaaggatg aatttcagca agggttgccc accagtcttc aatactttaa gatcattata     240
caaagacaaa gaaaaggtgg caatcataga agagttagta gtaggttatg aaacctctct     300
aaaaagctgc cggttatta accccaatga tgatggaaag gaggaaccac caaccacatt     360
actttgggtc cagtactact tggcacaaca ttatgacaaa attggtcagc catctattgc     420
tttggagtac ataaatactg ctattgaaag tacacctaca ttaatagaac tctttctcgt     480
gaaagctaaa atctataagc atgctggaaa tattaaagaa gctgcaaggt ggatggatga     540
ggcccaggcc ttggacacag cagacagatt tatcaactcc aaatgtgcaa aatacatgct     600
aaaagccaac ctgattaaag aagctgaaga aatgtgctca aagtttacaa gggaaggaac     660
atcagcggta gagaatttga atgaaatgca gtgcatgtgg ttccaaacag aatgtgccca     720
ggcttataaa gcaatgaata aatttggtga agcacttaag aaatgtcatg agattgagag     780
acattttata gaaatcactg atgaccagtt tgactttcat acatactgta tgaggaagat     840
tacccttaga tcatatgtgg acttattaaa actagaagat gtacttcgac agcatccatt     900
ttacttcaag ggcaggcaag aattgctata gagatctatt tgaaggcttc atgacaaccc     960
ccttacagat gaggaattaa aggaacacgg aggctggata cagccaaaca tgtctggaca    1020
aagg                                                                  1024
```


<210> 180
<211> 890
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (651)...(567)
<223> similar to gi4971998 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 180
```
aaagtagtag gttggtgcaa acgtagtaat aaattggttt ggccctgttt tcatagaact      60
```

```
atagaggttg gacctttgtc cccttccaga tgcctacaaa caaactgatg tttttgattt    120
ttttttcttt ttaaattttg gttgccacta attcttataa aaatcctcac acaaggctgg    180
gctcagtggc tcacacctgt aatcccagca ctttgggagg ctgaggcagg cggatcacga    240
ggtcaggaga tcgagaccat cctggctaac acggtgaaac ccccgtctct actaaaaata    300
caaaaaaatt agccgggcgt ggtggcgggc gcctgtagtc ccagctactc gggaggctga    360
ggcaggagaa tggcgtgaac ccgggaggca gagcttgcag tgagccgaga tagcgccact    420
gcactccagc ctgggcgaca gagcaagact ccatctcaaa aaaaaaaaa agtgataata    480
ctgtaatccc agcactttgg gaggccgagg caggcggatc acgaggtcag gagatcgaga    540
ccatcctggc taacacggtg aaacccgtc tctactaaaa atacaaaaaa ttagctgggc    600
gtggtggcgg gcacctgtag tcccagctac ctgggaggct gaggcaggag aatggcgtga    660
acccaggagg cggagcttgc agtgagcgga gatcatgcca ctgcacttca gcctgggcga    720
cagagcaaga ctccatctca aaaaacacac acacacac acacacacac acacacaa      780
atagaaaaat aataatagtt ttaagcacct ctaaagtaca gatattgtgc caagcaattt    840
atgtgaattg attagattga taactctaaa aatagtttcc ctaatcaact              890
```

        <210> 181
        <211> 480
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (15)...(480)
        <223> similar to gi339771 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 181
```
cattcctggt cagaaaaagc attgaaatca tatcaagtat ttttctgacc aggaatggta     60
taaaactgga agtcaatggc aagaggaact ttggaaacta cacaaacacc tggaagttaa    120
ataatatgct cctgaataac cagtgggcca atgaagaaat taagaagata atttaaaaat    180
ttctggaaat aaaagaaaat ggaaacacaa cttaccaaaa cctatgggat acagtgaaag    240
cagtactaag aggaaagttt atagcaataa gcacctacaa caaaaaagta gaaaaacttc    300
aaataaaaaa cctaaccatg cttctgtaac aactagaaaa gcaagagcaa accaaacaca    360
aaattagtag aaaaaaataa atagtaaata ttcaagcaga aataaatgaa attgaaatgg    420
aacaaataca aaagatcaat aaaataaaaa gttgttcttt gaaaagataa acaaaattga    480
```

        <210> 182
        <211> 1922
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1446)...(442)
        <223> similar to gi2088675 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

<400> 182
```
tttctttctt catccaaaat agtagagatg tctttcccac gatgacctgt gatggtggag    60
atatctttc ctcggccaac tcctcctcca tcggcttctt tgatgtcatc ttcaatagct   120
tcatcaattg cttcatcaaa ctcatcaaat ctgtagctta tacatttcct tgttcttgtt   180
gacctccttt caaagcaagt ttgctttgga ttttttttgaa tcttttttct tttcttcttg   240
atcttcagaa aagtctggct ctttgtggag gaatgatgtt ttcaatactg gataccaaca   300
tacaccaagc gttctttttcc ttcgttccgg caacgctctt tccttctttta aggcaacatc   360
ccaaatcctg gaaactggtc ctctaatttt tccaacaaga gcaagtttaa tgttgggcaa   420
aaggtggggc aagaacccat cctcccatct ggggatggat catcagagga ggggcgaaag   480
gcagggcagt atggtatcca ctatcgcaag agtcacacag aagaattagc tcaggatggt   540
ttggaaggcc acatttttttg catggttcat catcatctgc taggatggct tcttcacttt   600
cctttttcttc ctcctcttct gaagctgcag atgatttttc actgccagac ccttcacttt   660
catcattgct ggaatatttc catctgccac gtgtccgaga accagtccat cgaactttgc   720
ctttgggttt taccttgctt actttagaat ttgtatcttt ctctgatttt ttcaaaattt   780
cctttttgtc agttttttgc aaagctgttg actcttcttc cacctcatct tctccttccc   840
ctcttttttt atcagctttc tgatctctga tctcagccac ttttgcagtg ggtctagata   900
ttcttggaga tcttcttaaa gtacgaccca catttgtttt ctcctcttcc ttttctgtct   960
tctcttgctt gttttctggt tctagaactt tggggggaga atcgggcttc ttttttccgac  1020
ttgatatcct gattgttaat ttgatgccct ctttctgcct ttcagaggtt atctctgtat  1080
tttctgaggc agtggtttct tcttcaggaa ccaacttata tttgaatttg cttttttttgca  1140
tagaacccctt tgtctcagaa ggctcctcta tgccagaggt ctgggcattg tccagattat  1200
ccatttctac ctttgtgaac tcagaatcct cttttagggt ttctaggtct acttttttttca  1260
cagactggcc accaacagta cttgtactct ggcattctac cacttctttt tctgaggcta  1320
gtttctcaca gtggtcaatg atattagatg gtggagaagt ttcagctgcc tcaggagagc  1380
caggctttttc tgactctaga gtactctttg gaacttcttc tggtattgga ctcaatcttt  1440
gtgcgtcctt atcaagaaaa gtcttttttgg acttctctaa cttttcaaga cattctagga  1500
ttggtgggcg cttatccttc ttagtttttgg gagacttctc ttcacctttc atggtacacg  1560
actcggtgga agataaagca gtttttgaag agagatcttt tgccatctca gaagaatcaa  1620
gagaagtttc catttctgga ggatcgggtt cctctatttg tgctttttga ctatggatct  1680
ctaagactga tattgaacta tctgcatctt tcctcaaagg ggctgtttct ttctcaagct  1740
cacctgtttt catacttggt tatgacagaa tttaaggact ctgttccatt tccctccgtg  1800
atgatatttc tgtccttagg ggggctatag ctctcttcct ttgtctcata aaactttgtc  1860
tctacttggt tctgtcttaa aatttggagc tacccttttca tcactaactt ctccatttac  1920
ca                                                                  1922
```

<210> 183
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (59)...(516)
<223> similar to gi3036883 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
       <400> 183
atggctgtca tccagtccct ctcgccatgc tatgagactg tcttgctctc tgagtcctcc        60
tggtccatgg gctcgcccac ccactgcagg ccatagtcac tgaggaaccg ctccatctcc       120
ctgacctgcc gctgcagctg cacacacatc gtctccagtt cctcctgccg ctgcagggtt       180
gcctcggctg ggtgtggccg gagggtctgc accaggtcct ctagggccgc tatcttctga       240
tccttggaca gtatctcatc agtctgggcc ttcacctgct gctccaggtc ccacaacttc       300
ctcgtcatga aggccatcag ctccgagtca tgggatgcag ggacatctcc atagatgcgg       360
attcctcgcc tccttttgcc tcttccactg tctccacaga ggtttctgga agtttctgtt       420
atctgcctgc tcctctgggt atacggcttt ctgctctgaa ctgagagacc tttggcctgg       480
tggtgcttgg gaaagtacac gcagggccgc acgaaa                                 516
```

```
       <210> 184
       <211> 998
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (9)...(999)
       <223> similar to gi2072964 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters
```

```
       <400> 184
ccaatgggcc tgccagaata ccacattcct tttttaggca ccatgtatcc attcctcaag        60
gatagaccca tatgttaggt ccacaagtcc ttaaaacatt aaaaaagttg aatacccatc       120
aagcatcctt cctctgaccc acagtggaat acaactagaa actaataaca agaggaattt       180
ttgaaactac aaatacatga aaattaaaca atatgctcct gaatgaccat tgagtcaatg       240
aagaaattaa gaaggaaatt gaacaatttc ttgaaacaaa tgataaagga aacacaacat       300
accaaaacct atgggatacg gcaaaagcag tactaagagg caaattgata gctataagtg       360
cctacatgaa aaaagaggaa aaacttcaaa taagcaattt aacaatgaac cttaaccaga       420
aaagcaagag caaaacaaac acaaaattag aagaaaacaa ataataaaaa ttagagcata       480
aataaataaa attgaaataa aaatcaatgc aaaagaacaa tgaaacaaaa agttgctttt       540
tttcaaaagt taaacaaaac tgacaagcct ttagcaagac tgagaaaaaa gagacaagat       600
acaaatcaga aatgaaaaag acattacaac tgacactgca caaattcaaa ggatcattag       660
gggctactat gagcaactct atgccaataa attggaaaat ctagaagaaa ttgacaattc       720
ctagacacat acaacctact gagactggac caggaagaaa tccaaaacct gaacagacta       780
ataacaagta acaaggttga agccataata aaaagtctcc cactaaagaa aaccaaggac       840
ccgatggctt cactgttgaa ttctaccaaa catttaaaga agaactaata ccaatcccac       900
tcaagctatt gaaaaataga ggaggagaga atatttccaa agtcattcta ggagaccagt       960
atcaccctga taccaaaacc agacaaagac acatcaaa                               998
```

```
       <210> 185
       <211> 422
       <212> DNA
       <213> Homo sapiens
```

<220>
<221> misc_feature
<222> (61)...(425)
<223> similar to gi2072961 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 185
atacacccgt tttaaaaacg cctggggcaa agggagaaat cccaaaggaa atcagtacgg   60
tttttggaac aaagagaaaa taaagactca acatagcaaa atttgtggga tgccctaaaa   120
aagtacttag tgggaaattg atagccctaa aagaatgatc tcaaatcaac aacctgagct   180
tcccccttaa gaaaacagaa aaataagagc aaataaaatc ccctgtaaac attaaaaaga   240
atgtaatttt taaaaagtta aaaataaaaa aaggtttaaa agtttaaaaa aaatagagaa   300
aaatcagtga aaccaaaagt tggttccttg agaaagtcat taaaatttac taatctcaag   360
acagacattc caggaaaaaa aatgaaaaaa gtggaatccc tagagattct cggacgcgtg   420
gg   422

<210> 186
<211> 909
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(910)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(907)
<223> similar to gi37195 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 186
aaggtggcgt catcagactt ccatacccaa tcaaaggaaa accattcnca atatgtaaat   60
ggaccaagga aggccaggat attagtaagc gtgccatgat tgcaacatct gaaacacaca   120
ctgagcttgt gatcaaagaa gcagacaggg gtgattctgg cacttatgac ctggttctgg   180
aaaataaatg tggcaagaag gctgtctaca tcaaggtcag ggtgatagga agtcccaaca   240
gtccagaagg gccactggaa tatgatgaca tccaagtccg ctctgtgagg gtcagctgga   300
gacctcctgc tgatgatggt ggtgctgaca tcttaggcta catcctcgag agacgagaag   360
tgcctaaagc cgcctggtat accattgatt ccagagtccg aggtacatct ctggtggtaa   420
aaggcctcaa agagaatgta gaataccatt tccgtgtttc agcagaaaac cagtttggca   480
taagcaaacc cttgaaatct gaggaaccag tcacaccaaa aacaccattg agtaagtgcc   540
ctttcaacca caaaattata aacattattt cagcactttt ctgtttttaa atgaaagtca   600
ttggcttata atacttggga ctgtattcta atacatgtgt gctttccact tatatttaca   660
gatcctccag aacctccaag caatcctcca gaagtactcg atgtaaccaa gagttctgtt   720
agcttgtcct ggtcccggcc caaagatgat ggtggttcta gagtcacagg ctactacatc   780
gaacgcaaag agacatccac tgacaagtgg gtcagacccc acaagactca gatccccccc   840

```
acaatgtaca aagtcacagg gcttgttcca aatgctgagt atcagttccg catcatcgca      900
cagaatcgg                                                               909
```

```
        <210> 187
        <211> 526
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (63)...(526)
        <223> similar to gi5926738 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 187
agccatgtta accatttgtt aatttcttct gaacagatca agcaaaagta gataatcagc       60
cagaaaaatt agtgcgtagt gctgaagatg tttccacagt gcctacacaa cctgataatc      120
cattttctca ccctgacaaa ctcaaaagga tgagcaagtc tgttccagca tttctccaag      180
atgagagtga tgacagagaa acagatacag catcagaaag cagttaccag ctcagcagac      240
acaagaagag cccgagctct ttaaccaatc ttagcagctc ctctggcatg acgtccttgt      300
cttctgtgag tggcagtgtg atgagtgttt atagtggaga ctttggcaat ctggaagtta      360
aaggaaatat tcagtttgca attgaatatg tggagtcact gaaggagttg catgtttttg      420
gggccccagt ggaaggactt aacagcagcg gatggaaaaa aacaggcgtc ataccatatt      480
gaaagggcta atttgctacc aaacaaaggc caaatgggca agaaaa                     526
```

```
        <210> 188
        <211> 469
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(330)
        <223> similar to gi285951 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 188
acactgtttc aacatttaca tcctatgaac tcatggatta taaaacattt gtgacttata       60
ctgtctatgt cagtatgatt gccttagaaa gaccagatct cagggaaaag gtaatgacca      120
aactttaata ctcaaattta aagacttgtt ttttttgttt aaatacacaa atcattaaaa      180
tgtacatttt ttttgtatat atgtttttta aaatacctag gtcattaaag gagcagagat      240
tcttgaagtg ttgcacagtc ttccagcagt tcggcagtat ctgttttcac tctatgaatg      300
ccgttactct gttttcttcc aatcattagg taaggatagg gttgatattt ttgattatct      360
```

103

```
gtcttcatct tactcctgat cctatgtgca aataacctaa gacgattttt cacctatctg      420
agaaatgtag tgtgtaggta actgcatgtc tttgatcagt attcctaat                  469




        <210> 189
        <211> 1614
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (544)...(1361)
        <223> similar to gi5834580 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



        <400> 189
ttattccccct ttctcccccca aagcactcat gacctgactc gctgggagct ctatgagcca       60
tgttgccaac tcctgcagaa ggctgtggac acaggagagg ttcctcacca ggtgagtgga      120
caggctagag atgggttggg ggctgggggg ctagatttta aggacctacg gttctaggtg      180
gccactaggt gtgtcaagtc tcagtgcgtg gagtggacaa agcgaggaag atcaggtggg      240
tgggggtcac ctcttacatt cctctcttag aaggtggact ctacttccag ggtcttcttg      300
gatttcctgg aagccaagga taatattgag ggattctaga agacgtagag taaattaggg      360
agcggtgaca tttctacttc gtgtagatgc ctctgaagaa tgtccagaat atcactcatt      420
ttccactgga aaaggaatta gctctccctt tactcatttt ctctcctctt cactggtgtg      480
tttctggcta tctgtctctc cctctcctaa cccaaacctc atttttcaaa ccctttgttg      540
ttacaggtta tcctgccagc cttgactctt gtctattttt ccattctctg gacactaacc      600
cacatttcta aatcagatgc ttcccaggtg agtgtgggtc ttagatggga taatgggaac      660
agaggagtct gtgtcttcat tcttcccctt caagccactg tgcccacaga agcagctgtc      720
gagtttgagg gacagaatgg tggccttctg tgaactctgc cagagttgcc tctcagatgt      780
ggatactgag atccaggagc aggtgagtac tgactcaagt gggagcaaca aggcgagtat      840
ccctgccccc attccaagga gaaattgaca gtgtcatttc taccttggga aacattctgt      900
cctttttaaac atcctttctt ttcccccctac aggcttttgt cttattaagt gatctacttc      960
tcatctttag ccctcagatg attgttgggg gccgtgattt ccttaggcca cttgtctttt     1020
ttcctgaagc tactctccag tctgagctag ccagcttcct catggaccac gtcttcatcc     1080
agccgggaga cctgggcagt ggtgcagtga ctctatacct ggggctcagt aagggctggg     1140
gcttgggtgt agctcagaaa tatagggcag gaagcttaag tctgtgattc ccttttgcct     1200
tccatgtgag ccaggtgatt cccaggagga tcatttacag atagagcggc tacaccagcg     1260
gcgccgcctc ctagccgggt tctgcaagct gttgctttat ggggtgctgg agatggatgc     1320
agcctcagat gttttcaaac actacaacaa ggtacaccaa ggccccagct tgggcttcac     1380
gaagccactg gtgaatgccg aggttactcg gctgcctaca gtctagccac tgaccacagg     1440
atggtgaact cctgaatgac aacgtgtggg gtgacaaagg gcaggtcccg cttgagcacc     1500
aggatgaagt ctgtctgata cgtggacagc atgcaacacg gatatgttct ggtcagccag     1560
tggggcgatg actgacttgg cgatcttggt catgccaata ggctgggagc tgga           1614




        <210> 190
        <211> 2039
        <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (998)...(2039)
<223> similar to gi3882197 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 190
```
aacaaaagaa aacattttat tgcaatttga ttaacaagga gacaggagcc cagctcaaat    60
ctgtcccatt gtacttattt taaagagtta ttttagtaga aaaggtgtag ggagtggatt   120
ctgtgattag taggtgattg atagaaagat ttgtttgggc tggaaaatcc tcgggccatg   180
gggcagttaa cctcttcatg ccctcctcat gggtccccat gtgcaaactc cagagggagt   240
taagtatgaa acatgcggta caaatttagg ctgtgtgtca gcaagctcat tctgtacaaa   300
ctctggtttt atctctttat cttgacacct gaagggtgtg cataatccca tcactcccca   360
aaatatgccc tacatgcaga atttaaattc atcctgcctc cttgactctg agggccactt   420
cctaccacag ctagggtccc ttttctgtca gcattctttc tggagcttgc ttatatcaaa   480
cctaagaaaa gcaactccag gactccagac aaaacagatc tccacccatc tggcggccag   540
aaagggaagc tctgggcaaa gagggagaga gaatcaacct cactcactct ggatgggcct   600
cctgtgtgtt cacagaggac agagcagagt cccccagctc atcctcaata tcagcgtccc   660
cagactggct taggtcctgc tagaagaacc caggattttg cctggcagaa agacacaaga   720
cctttgccag gatcagcctg gtctctcacc aattcatgtc aggtgaagac ttatagtgga   780
gctgtttaaa tccttagaaa aatgatttta aatgccttga agtccaaatg actttggagt   840
gctaaaattt cataagtttc catgcctagc acatagaaaa gggaagctgg ggtttcatgg   900
gcatgtttgt ctaatacctt ccatctacac aacctcacac gcacatcaca aagcatcaca   960
aagactctaa tttctccaac gcttggtgga atcacctgtc caggtacaga taggctgcca  1020
caccgatgac cttaccaagg ccaggaagct atctcgagcc cccgtggtga ctcaccaatg  1080
ctggatggac aggactgagc ggtcagtctc ctgcctctgg ggcggcctcc tctacgtcat  1140
cgtgcccaag ggcagccaac taggccctgt gcctgtcact atcaggggag ctgtgcctgc  1200
cccatactac aagctgggta agtggagtga acatttaggg aggaggaaga gtggcagatg  1260
ccgtgggaac tgtgggtgg ttgctaaatg ggagagggat gagctttggt ggagagaaag  1320
aggaagaact gttgggaggg aacatggagg cagaagatac ggaataccct gtgtccatgg  1380
agacttcagg gcagacaaag agaagagtca ggaagccttt tcttcccttt acagcctata  1440
gacgcctgtg atagtagttc attattgcaa tgttcttcca gagttcaaat ggtatttttc  1500
agctcaaggg aagttggaga agtgggtgtg gtaggttcca tgatatttat tcccaggtaa  1560
gacatcgctg gaggagtgga agaggcagat gcaggagaac ctggctccct ggggagagct  1620
ggccacggac aacatcatcc tgacagtgcc aaccacaaac cttcaggccc tgaaggaccc  1680
cgagcctgtg ctccgcctct gggatgagat gatgcaggct gtggccaggc tggcagctga  1740
gcccttccct ttccgccgtc ctgagaggat tgtggctgat gtgcagatct cagctggtgg  1800
gtgctcccag ggaatcctcc tgtaatccca gctactcagg aggctgagac aggagaatcg  1860
cttcaaccca ggaggcagag gctgcagtga gccaggatcg caccattgca ctccagcctg  1920
ggcaacaaga gtgaaacttg ttttagcgtt ccgattttgc ttttgtcttc atgctgcacc  1980
tcatcttcct tttaagcttt cagaataaac attccattcc tttacccctg agcagtgcg   2039
```

<210> 191
<211> 794
<212> DNA
<213> Homo sapiens

<220>

105

<221> misc_feature
<222> (21)...(621)
<223> similar to gi537432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 191
```
ggagaactcc gattgattgg agtccctgtt ggggcagtag cagggttcca cccaccgcgg    60
tcctaggcct gggggcgaag tccaggcctg gccacaaggt tcaaagatgt gtcagaccca   120
agccgctacc ccctactccg agggcgaggg cggagaggct cagccccagg ggcggggcct   180
gtagtcggag gccgagcggg cgtggtccgg gtagtccagg cggctctcgg tggcagtgag   240
catgcgctcc ggctccacca cgaacatgta gtagaggttc cacatcagca tcgacagcag   300
tggcagaaac gtcaggccgt agccgaagcc tcggaaggag cggcccacgg caaaggtcag   360
ccagtagatc agccgggaga cggcaaagag accagtgagc agagggagca gtttgagggt   420
atcctggggc aggtaagtgg aaagcacggc caggttgaag aagtagagaa taaagagctg   480
gaccgactgg gccacatatc gccggtggat ctccacctcc cgccgtggct ccccaaaggg   540
ccgaagggca gaaaagcata acaggctcag cccgtacacc aggatccctc ttcacttcca   600
gtagggccag ggtctcctgt tctgtcatcc tggggcctca gttctgggat ctaccacaag   660
gtcatgtcat cctgccctga tccagttaag ctttggccgc ctcagtgggt acactgtccg   720
ttctctgata gctttgccaa taaagttttt cgcaagggtt tggagaagcc ggaaagacgc   780
catgctgccc agag                                                     794
```


<210> 192
<211> 1616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(1575)
<223> similar to gi330421 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 192
```
ggaggttgcg gcggcggctg cggcgcagcc cggggcggcg ggtgggaaga ggactaccag    60
aggggcctgc gggagaccca gggtcggacc cataggagtc ctgtcgtcag gacctccttg   120
atcggtcttc tgcttgggtt ctcggtgaag gaggagcttc ggggtgtcgg ctgggctgcg   180
cggactcctc ttgggatccg atgatggatc ccacccggtg atcgggaatg gggttacaat   240
gcagtgaggc ggaaaggctc tcgccggggc acagaaagat ccccagggcc gcaaggcgtg   300
ctgtcgcctg caaaggcact gacccacgag cccactgcct ccctccttcc tgggtggagc   360
aggggcctgc cttcatctcc aaggcccggg ggctccggca tctcgacgcg gcttccggcg   420
acacgggcaa agagagacag aggctagtcc gagccggagc cagtgtgacc acacgtggca   480
ctgacgtccc ccaagagcac atgcagtgag cctgtgtctc tgaggccgta gtgggcgacg   540
acgagacgga cagtgatgtc caggcctgcg cccggggggcc actggagacc tgcccctcaa   600
agcggaggaa acgccaagct cacctgaaaa cctgcgagac agggcctgtg cacgagtcca   660
gtactcctac ttcgccaagt ctcagggacc catccccgag caacggtggc ggcgcagaga   720
agagcacggc gccggcgcag gtgcagagag acaggaggct gatgggggga agttgaggca   780
cctggggcag agaaaaaaat gcattgccaa gaggtttctg ggtcatctac tgacgaaaat   840
```


106

```
gtcttcccat cagcccttgc gctggtcccc agggaccctg gcatccgtcg ttggcgccca      900
gggtgcgcgt cgggccacta ggggtacccc aactcggaca gaaggcccat gagttgaatt      960
tgaagtttgt gggaatagag gtgaggcacc aggggcagaa aaaaaacagg agacctcgcc     1020
tcagacaagc ggggcctggg tcccccatgg atgaaagtgc cttcccatta tgctgtaccc     1080
tgggcagagt ggacagtgac gaccctggtt cgagcccagg gtgcgcttcg ggaccgcttg     1140
cggttaccag aaagcgaaca aatggtccat gagcggaagg tgaggcacct gaggcagaga     1200
aagtaaagaa acgcgccgcc gagaagcagt gcctgggtcc ctcacggagg aaattgtctt     1260
ctccttagcc cgttcgcttg gcagtgaggt ccctggcgtc cctggtttga tcccagggta     1320
cgcctcgggc cactagtgtt accccaaggt gggcagaaag cccataaggg gaaggcgagg     1380
cacctggggc agagaaaaaa aaaaacttcg ccgcaaagaa gcgcggcctg attccccacg     1440
gacgaaagtg tcttcccatc agtccctgca ctgggacccg gggaccctgg tgtccctggt     1500
tcgagctcag ggtgtgcctc agccgctacg tgcaccccaa ggggagcttt gggagcccaa     1560
aagccaataa gggaaagtaa tttttaaggc ccccagtggt gaggcccctg tcacag        1616
```


<210> 193
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (30)...(476)
<223> similar to gi1297319 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 193
```
attatacaag gaatgcttct aatctggaaa gaaatgacct acggattgag gatggcatct       60
cttccacact gccgtccaaa gaatcaagaa ggaagggtgg tctggactac ctaaagcagg      120
tagagaatga aacaagaaac aaatcagaaa atgaaaagaa ccgcaatcag gaagacaaca      180
aagtcaaaga ccttaaccaa gagattgaga aacttaagac gcaaatcaaa cactttgaat      240
cgttggaaga agagcttaag aaaatgaagt ccaaaaataa cgaccttcag gataattacc      300
taagtgaaca aaataaaaac aaattattag ccagccaatt ggaggagata aagctctaat      360
caagaaacag aaagagttag aaaatggaga ggtagaaggg gaagatgctt tcctgccaca      420
aagcaacgaa atctcgaccg gggngtcgtcc gatgtctcta agggctatac gactcg        476
```


<210> 194
<211> 1686
<212> DNA
<213> Homo sapiens

<220>

107
```

<221> misc_feature
<222> (1)...(1687)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(1689)
<223> similar to gi2351568 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 194
```
cagggttacc cggaggagta tgaggagcac aggggaaagg gcagctttca cagctatgat   60
ctctccagca tatcagaacg ccatgaagct tcaggagctc gctagtgaca tcaaatacag   120
gcaggacttc gataagatga aaggcgctgc acattatcac tcgcttccag ctcaagacaa   180
cttggttctc aaacaggctc agagcgtaaa caaactcgtg agtgagaata aatataaaga   240
aaactaccag aaccacatga gaggccgcta tgaaggagtt ggtatggaca gacgcactct   300
gcatgctatg aaagttgggc agcctggcaa gcaacgttgc ctacaaaggc tgattataac   360
catggtattg tcgacttaca aantacccca gccactctca cgccttccta tcaaacagct   420
atgaaactgg tgcccttgaa agatgccaat tataggcaga gcatcggaca agttgaagta   480
cagcttggtg actgacaccc cacagattgt tcaagccaaa atcaatgccc agcagctgag   540
tcatgtgaat taccgtgctg actatgagaa aaataagttg aattacacat tgccccagga   600
tgttccttca gctggtgaag gccaaaacca atgccaaact cttcagtgag gttaagtata   660
aagaaggctg ggagaagaca aaggggaaag gatttgagat gaagctggat gccatgtctc   720
tgctggccgc caaagcctct ggggagcttg ctagcaatat taaatataaa gaagaatatg   780
aaaagacaaa aggcaaagcc atgggaacag ccgactctag gcttctgcac tccctgcaga   840
ttgctaagat gagcagtgag gttgaatata agaaaggctt tgaagagagt aagacccggt   900
ttcacctgcc catggatatg gtaaacatca ggcatgctaa gaaggcccaa actctcgcca   960
gtgacctgga ctacaggaag aaactgcatg aatacactgt gctgcctgaa gatatgaaga   1020
ctcagtgggc caagaaggtc tatgggcttc agagcgagct gcagtacaag gctgacctgg   1080
catggatgaa gggagttggg tggctgacag aggggagtct caacttggaa caagccaaga   1140
aggctggaca gctggtcagc gagaaaaact accggcagag ggtcgatgag ctgaagttca   1200
ccagcgtgac cgacagctcc cagatggagc acgccaagaa gagccaggag ctacagagcg   1260
gggtggccta caaggcagga aatgagcagt ctgtccatca gtataccatc agcaaagacg   1320
agcctctctt cctgcaggcc cgagccaatg ctgcaaatct cagcgagaaa ctgtataaga   1380
gcagctggga aaaccagaaa gcaaaagggt ttgagctgcg tcttgattcc ttgaccttcc   1440
tggcagccaa agccaagagg gacctggcta gcgaggtgaa gtacaaggag gattatgaga   1500
gatccagagg gaagctcatt ggggcaaaag atgtacaggg agattcgcaa atgagccact   1560
cactgcaaat gtccaagctg cagagtgagc tggagcacaa gaaaggattc gaggacacca   1620
aatcccaatg ccacgtctcc ctggacatgg tccacctcgt gcatgcccgc aaagctcatc   1680
atttat   1686
```

<210> 195
<211> 1344
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(136)
<223> similar to gi211607 in the genepept database release 114,

108

```
<400> 195
tttttttttt ttgctgctgg gtcgggtttt atttcaaatg cagccacaga ggcggtttct      60
gcacaggtac gtgatccgac tccacaagct cccaccaggg gctccccatg acccgcaatg     120
acgctgtgtg gggtcaaagg aaaacaggcc acagccaggc ccctcgatgg acgcaggcag     180
gggaccagga atgcggccca cgcaggggga tcgggaatca ggcggaaggt gcaggtttgc     240
agctggcggg aggagccagc atgccccaat ctctaaaata ttcccggtag aaaaatagac     300
atttccctcc aaagcagatt cctggggctg gagggtccct ccaaggccag gggtccgggt     360
gattccagag catccacgct ctgcgctgaa ggcactgaac ctgccatcac tgtcacagcc     420
gtcaccggcc aaggagggtc tggaggaggg aaggggccct tgcgaggctc tggtgctggt     480
gatcccggcc cccaccaccg gaggagctga aagcccttgc tcagccgctg ccctgctggt     540
gaacccggcc cccaccgccg gaggagctgc accctgtgtg gtctgaggca gccctgcact     600
gggcagcggc cccgccccgc gctgaaccca ctaggagagc agctgcagca cctgtcggat     660
gcgctgggcc ctccccggca ggggggggatc agagccctcc tcatccagct cccgcatcag     720
ggcttccgcc ttctgcaccg tcagctctcg ggcccggccc tgcagcccct ccaggtaggc     780
cagcagggtg gagaagtgct catcgggaac cttgtcactg tcatacatgt gcagcaggag     840
ccacgtctgc ctcgtcttct gaaacctcca gttcttgtgc ttttgggccc atctgcagag     900
gtagtccagg gccagttcgg cccccgagcg cctggcaggc gggtgctggg ccacaaggcc     960
tgcctcccgc agacgctgcc tctcctcttt cttccgttcc tttttcagct tcctttccag    1020
gaccctctgc tcctctgggg acagctctgg ctctgcgtcc agcccgggcc tgagcacagc    1080
ttcgcccttg gagccggctc cttcgccact tggtgcagcc tcagggccca gcagtggccc    1140
ctctgctgac gccttcttca gcttttttgtt ctttttctct gtcacttcag gaactttct    1200
cttctgtttt gccatcctgc gcccacctgc gcccacgtcg cccacctaag cgtgaacagc    1260
tgcgtcgcgg acgccgcctt ccggcaggga cccgcggacg cgtgggtcga cccggcaaaa    1320
cgggtccaac ctagggcgtc gagg                                          1344
```

```
<210> 196
<211> 1617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1618)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (98)...(1617)
<223> similar to gi1118097 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 196
ttttttttt ttctgtctaa aatgacaacg atcgtttgga gaagtttatt accaccccta      60
ccctccagtg ggatctcaat gtcacgatga gtccggggct ggctttccgc cgggaccctc     120
ctgtcctggc acatggccca ccccagcacg aagcctggcc gggagggctc aggtgggtgg     180
```

```
ctgctaggcc aggcctcccc agaacgactg ccccatgtcc agcctgtatc tcctgagtgc    240
catgctgcac tggggaggga cagggctggc tcggggctcc aggaaagatg cctcacatgt    300
gcctagaaat gtaggcgtca agggaaggct gtgtgtgggg gcacctgagg ggctgggctt    360
cccaggcatc tgagttctta cggagcccta ataggcacat ccccaaatgg ttgtatgagg    420
atgagcacaa aaatagcaga tggggtcacc ctcaccctcc actgacaatg gactgggatc    480
cgactcatgc aacattcctt ctcggccgta ggttccacat ccatgggtta ggtgtgctgg    540
cctggagccc gccggccccg gtccccaccg cacaaggacc ccatcacaag tgggtgtcat    600
actcttcctc cagaaacgga ttaagcaacc agcatgtgaa ccttacgctc tgtttacagg    660
ctgagtcccc acagctcttc cagcttcagc caggccaggg tcaccttcag attgaatgtg    720
cagggcccct gaggactcat gtcctgagat ggcccttctt cctgggatgg acccccgggg    780
ttcaggtgag aggtgttccc gggccccttc acctggggct caggtgacag gaggtgttcc    840
gggccccttc acctggggct caggtgagag gaggtgttcc gggccccttc acctggggct    900
caggtgagag caagtgttcc gggccccttc accggggct caggtgagag caggtgttcc     960
gggccccttc acctggggct caggtgagag caggtgttcc gggccccttc acctggggct   1020
caggtgagag caagtgttcc gggccccttc accaggggct caggtgagag caggtgttcc   1080
cgggcccctt cacctggggc tcaggtgaga gcaggtgttc cgggcccctt cacctggggc   1140
tcaggtgaga gcaggtgttc tgggcccctt cacctggggt tcaggtgaga gcaggtgttc   1200
ccgggcccct tcacctgggg ctcaggtgag agcaggtgtt cccgggcccc ttcacctggg   1260
gctcaggtga gagcaggtgt tccgggcccc ttcacctggg gctcaggtga gagcaggtgt   1320
tccgggcccc ttcacctggg gttcaggtga gagcaggtgt tcccgggccc cttcacctgg   1380
ggctcaggtg agagcaggtg ttcccgggcc ccttcacctg gggctcaggt gagagcaggt   1440
gttctgggcc cctgcatctg aggcccggga gttgaccctg acttcctggc cccagaaaga   1500
aaagggaaaa ctcagagatc acaggagaag ggacacaagc ggggagggtc gcaggctgcc   1560
ccaaagccca gctccaggct caggaaagcc cctccccact ncacccttcc ggagggc      1617
```

```
<400> 197
ctgaaggctg tactttgcca agaagagatt tgtgtcatca ttctgctaga atgtggcacc    60
aacccagatc ttatggatgt ctatagcaac aatgcactac actatgctgt gtataatgag   120
aatacactac tggcagaaaa actgccctca caccatgtga atactgaagt gctgaacaag   180
gatactgaag tgctgaacaa ggatgcaaac acaccacttt tacttgctat agtttgcaaa   240
acacagcaaa aggtggaatt ttagtgaaga aacaagcaaa tgtacatgct gttgataggt   300
tgaaaagaac agctctcatg cctgttgtac attatggctt gtcaccgtat agttagcatt   360
cttcttcaac aaaatattgt cttttctcaa gagtatgtat ggaccggctg cagattatgc   420
tatttttggt ggtttggcaa gccctcccca caaattttgc ccccttnnnn nnnnnngatc   480
```

```
cttgaaaatg gtcttcaaaa tgacaaccca gaagaagcat ccaagaagaa tgcaagtttg    540
aaaacaggag gagcaagtgc aaaagattct gggagttttg aagcatctgc attcagtatt    600
taaaaaaaaa ctgtgtgttg actcatggcc taaaccagat gatgaagact tgactttta     659
```

```
          <400> 198
agaaaccaaa tccattgtgg agctgatggc aattcaggag aaagaagggc aggccgtggc     60
tgtaccatct tcaaagacag actcagatat aaggactttc attgagagca ataatcgcac    120
caggagtccc agcctccttg ctcacttaga gaacagcaat ccttccagca ttcatcactt    180
cgaaaacatc ccaaacagcc ttgcatttct gcttccattc cagtacataa accctgtctc    240
agcaccactg ctagggttgc ctccaaatgg gctactgtta gagcaaccag ggttgaggct    300
gcgggaaccc agcctttcaa ctcagaatga atataatgag agcagcgaat ccgaagtttc    360
tcccacacct tataagaatg atcaaacacc aatagaaat gccctgacca gcattactaa    420
tgtggagccc aaaaccgagc cagtctgacg aaatcgtcga cag                      463
```

```
          <400> 199
attgttacag ccgaccaatt actgggaatg ggccagtggg ctgcaattcg aaaccaaact     60
atgctaaatg atgaggttat tgaacaactg tggaaatgct gcttagatgc ttgggacaag    120
attcaagatg atgacaaact atgcccatgt ttttaacagc cgtcagacgg ggacaacatg    180
aaccgtatcc agactttatt gcccatcttc aagacgcagc agaaaaagct atccctgata     240
gccagggcca atgacttgtt atagaactta tggcttatga acaagtaaat ccagactgtc    300
aggtggctat ttgccccatt aaaggcaaaa ttccaccagg gggtgatgta ctcacctcat    360
```

111

```
acattaaagt ctgtgaaggc gtgagggggaa ctctgcgtac agcaatggtc atggcacaag    420
ccatggtctc tattcgaatg cctggacaat tccctggcaa atgcttccta tgcagccaat    480
cgggacattc taaaagaaat tgtccttggc atacaggccg ctgttctttt caacaccaac    540
aaccaaaatt ttttcaacaa caagccccac tttctactat atgcccacga tgccaaaaag    600
gaaatcactg ggtggctcaa tgccattcaa aatttgatat tgatggcaat cccttacggt    660
cacttccag                                                            669
```

<210> 200
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(455)
<223> similar to gi5640017 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 200
```
tacaccagag ttcacactgg agaaaagcca tatgagtgtg aggattgtca gaaagttttt     60
agcaagaagg accacctcat tgcacaccag agagttcaca ctggagaaag gccatatgaa    120
tgcagtgatt gtgggaagtc atctacccac agctctgcat tctgtgttca taagagagtt    180
cacactggtc acaccacctt atgagtgcag tgaatgtggg aaatcctttg ctgaaacttt    240
cagtctcatt aaacacagga gagttcacac tggagtaagg tcttgtgatt gcagcaaatg    300
tggaaaaaaa gttacctgaa ggtcttttct ccttgaatat cagagagttc acactagaca    360
aataaaatac atttgggcaa ttttgtagcc acacctcttt gctccttcaa gatcagagtt    420
aacactggat cagggcctta ccagtgtgac atgtg                               455
```

<210> 201
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(564)
<223> similar to gi1177607 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 201
```
ttttttttgt ggcagggtct cattctgtca cccaggctgg agtgcagtgg tgcagtcata     60
gctcactgca gccttgaact cctgagctca agcaatcctc ctaagtagct gggactacag    120
gtgtgagcca ccatgcccag ctaattattt tgattttttt gtagagacag gggcctccct    180
```

```
atgttgccca gactggtctc aaactcctgg gctcaagtga tcctcccgcc aggccggaac      240
tcagactttg gtctctgctc ctcccatgtc acccatcttc ccgaggaagt gacctaccat      300
tgggtgtgat gtgacagaag gaagaaaaat gtctcaccag agatccagcc agccacaaat      360
tcctccaccg gcattgtctg ggcttgcggg aacaggcctg gctgttctct tcagggttgt      420
ttacgactcc cccgactccc ccgtgtgagt cagaaacaca gccttcctcg gcttcctcct      480
tcccagggga aagatagggg ttttgattat ttaaagtgcg tgttgatctg caatggcacc      540
attctgctca gtcaaaacac gaaa                                             564
```

```
        <210> 202
        <211> 816
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(817)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (816)...(33)
        <223> similar to gi1263289 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 202
caccacgcg tccggtgaac atgaacctca tggatgcctc cgtgcctctc cctggccctt       60
gggctgctgg agagtgtgac cttgagcagc ccagccctgg gccagctggt caagagcgag      120
gtgcccctgg ataggctgct ggtgcaccta caggtgatga accagcagct gcaaaccaag      180
gccatggccc tgctgacagc cttgctgcag ggggccagcc ctgtggaacg caagcacatg      240
cttgactatc tttggcagag gaaccttcgc cagttcatct ataagaacat catccacagt      300
gcagcaccaa tgggcgacga gatggctcat cacctgtacg tactgcaggc tctcatgctg      360
gggctgctgg agccgcgcat gcggacgccc ctggacccct acagccagga gcagcgggag      420
cagctgcagg tcctacgcca ggctgccttc gaggtggagg gggagtcctc gggtgccggg      480
ctaagtgctg accgtcgccg ttccctctgt gcccgagagt tccgcaaact gggctttttct      540
aacagcaacc cagcacagga cctggagcgc gtgcccccgg gtactgctgg ccctggacaa      600
catgttgtac ttctccagaa acgcgcccag cgcgtacagc cggtttgtgt tggagaacag      660
cagccgcgag gacaagcacg agtgcccctt tgcccggggc agcatccagc tgacggtgct      720
gctgtgtgag ctgctccgtg ttggggagcc ctgctctgag acagcccagg acttctcacc      780
catgttcttc ggccaagacc agagcttnca cgagct                                816
```

```
        <210> 203
        <211> 1682
        <212> DNA
        <213> Homo sapiens

        <220>
```

<400> 203
```
cggacgcgtg ggtgtagcct gggatgtcct gccaggttgg gatgggaaac gctgactacg    60
tggctgcctt cctgcacctg ctgctcccac tggcctttga ggtgactgca cggagggctc   120
ccccagggca gccgggtggg aggggggacct tgtgcctgga gtgcgccagt gaaggcagga   180
ggagggttat gagctgtccc actcctgtgt ggctggggaa ggtgctcagg aggggatggg   240
atgggcctgg ctcgccctca cctgggctcc agccctctc tgtcgaccct ccccactccg   300
gcctggcctg tagtttgacc ctgagctggt gctggtctcg gcaggatttg actcagccat   360
cggggaccct gaggggcaaa tgcaggccac gccagagtgc ttcgcccacc tcacacagct   420
gctgcaggtg ctggccggcg gccgggtctg tgccgtgctg gagggcggct accacctgga   480
gtcactggcg gagtcagtgt gcatgacagt acagacgctg ctgggtgacc cggccccacc   540
cctgtcaggg ccaatggcgc catgtcagag tgccctagag tccatccaga gtgcccgtgc   600
tgcccaggcc ccgcactgga agagcctcca gcagcaagat gtgaccgctg tgccgatgag   660
ccccagcagc cactccccag aggggaggcc tccacctctg ctgcctgggg gtccagtgtg   720
taaggcagct gcatctgcac cgagctccct cctggaccag ccgtgcctct gccccgcacc   780
ctctgtccgc accgctgttg ccctgacaac gccggatatc acattggttc tgcccctga   840
cgtcatccaa caggaagcgt cagccctgag ggaggagaca gaagcctggg ccaggccaca   900
cgagtccctg gcccgggagg aggccctcac tgcacttggg aagctcctgt acctcttaga   960
tgggatgctg gatgggcagg tgaacagtgg tatagcagcc actccagcct ctgctgcagc  1020
agccaccctg gatgtggctg ttcggagagg cctgtcccac ggagcccaga ggctgctgtg  1080
cgtggccctg ggacagctgg accggcctcc agacctcgcc catgacggga ggagtctgtg  1140
gctgaacatc aggggcaagg aggcggctgc cctatccatg ttccatgtct ccacgccact  1200
gccagtgatg accggtggtt tcctgagctg catcttgggc ttggtgctgc ccctggccta  1260
tggcttccag cctgacctgg tgctggtggc gctggggcct ggccatggcc tgcagggccc  1320
ccacgctgca ctcctggctg caatgcttcg ggggctggca ggggccgag tcctggccct  1380
cctggaggag aactccacac cccagctagc agggatcctg gcccgggtgc tgaatggaga  1440
ggcacctcct agcctaggcc cttcctctgt ggcctcccca gaggacgtcc aggccctgat  1500
gtacctgaga gggcagctgg agcctcagtg gaagatgttg cagtgccatc ctcacctggt  1560
ggcttgaaat cggccaaggt gggagcattt acaccgcaga aatgacaccg cacgccagcg  1620
ccccgcggcc gcgatccgga ccccaagccc acggctccct cgactctggg gcacggaacc  1680
cc                                                                 1682
```


<210> 204
<211> 1798
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1799)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (106)...(1743)
<223> similar to gi3044185 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 204
```
gcacgagagc tcgtggccat gatcgtgaac cacctcaaga gccaggggct cttcgaccag      60
ttccgcagag actgcctggc cgacgtggac accaagcctg cgtatcagaa tctgagacag     120
cgtgttgaca actttgttgc aaatcacttg gcaactcaca catggagtcc gcatctcaat     180
aagaaccagc taagaaacaa cattagacaa caagtcctca aatcaggaat gttggagtct     240
ggtattgacc gaattatttc tcaggttgtg gacccaaaga tcaaccacac attcagacct     300
caggtagaga aagctgtgca tgagtttttg gccacgctaa atcacaaaga ggaaggaagt     360
ggcaacacag ctcccgatga tgagaaacca gacacttccc ttattacaca aggtgttcct     420
actcctgggc ccagtgctaa tgtagccaat gatgccatgt cgatattgga aaccataact     480
tctcttaacc aagaagccag tgctgctagg gcttcaacag aaacatcaaa tgccaagacc     540
agtgagagag cgtcaaaaaa acttccatct cagccaacca ctgatactag tactgacaaa     600
gaaagaactt cagaggacat ggctgataaa gaaaaatcta cagctgactc tggaggtgaa     660
ggactggaaa cagcccccaaa gtctgaagag ttcagcgacc tcccctgtcc agtcgaagaa     720
attaaaaatt acacaaaaga gcataataat ttaattctgc taaataagga tgttcaacag     780
gaaagcagtg agcaaaaaaa taaatcaaca gacaaaggtg aaaagaagcc agccagcaat     840
gagaaaggag aaagaaagaa agaaaagaag gaaaagactg aaaagaaatt tgatcactca     900
aaaaagagtg aagatacaca gaaagttaaa gatgaaaaac aagcaaagga aaaagaagta     960
gagagtttaa aacttccttc agaaaagaac agtaataaag ctaaaactgt tgaagggaca    1020
aaagaagatt tctctttgat agattctgat gtggatggac ttacagacat cacagttagc    1080
tctgttcata ccagtgacct ttcatctttt gaagaagata ctgaggagga agttgtaacg    1140
tctgatagca tggaagaagg agagattacg tcagtgatg aagagaagaa caaacagaat    1200
aaaacaaaaa ctcaaactag tgattctagt gaaggaaaaa caaaaagtgt acggccatgc    1260
gtatgtccac aaaccatatc tttactcaaa atactatagt gattctgatg atgagcttac    1320
tgtagaacaa cgacgacagt ccattgccaa agaaaaagaa gagaggcttt taagaaggca    1380
aatcaataga gaaaaacttg aagaaaaacg aaaacagaaa gcagaaaaga caaagtcttc    1440
aaaaaccaag ggtcaaggca ggagtagtgt ggacttagaa gaatcatcaa caaagagttt    1500
ggaacctaaa gccgccagaa ttaaagaagt ccttaaagaa cggaaagttt tagaaaaaaaa    1560
agtagcctta agcaaaaaga gaaaaaaga ttcaaggaat gttgaagaga actccaaaaa    1620
gaaacagcaa tatgaagaag attccaaaga aacccttaaa acaagtgagc attgtgaaaa    1680
ggaaaaaaatt tcttcttcaa aggagctgaa gcatgttcat gcaaaaagtg aaccaagtaa    1740
acctgcccgg agactttcac acccctttgca tgtagttgnc gaaaacaaaa atgaatcc     1798
```

<210> 205
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(250)
<223> similar to gi2204213 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 205
```
ctcacaaaat gggatctctt tggtaattgc tacagattat tgaagactgg aattgaacat      60
```

115

```
ggagccatgc cagaacaggt aggagtttat tggtattcct tctgtatgac tctagaaagt    120
tgttttctg aagtcatatg attatcagaa gcctttata gaaagtaatt gacgattcat       180
tagggcagct gcctcttttg agagaattat tgctgtagta attaaatgtt attgataggt    240
gtattatact ggcttatgtg ttaagagtag aaaaaacttt tgctataaca tatcttaaaa    300
attttactgt taaggtagac ttttctctat taggagaaat accattaata tctatggcag    360
caattttaaa actttggata atgaaaattg atgatgggta tattccagcc gtgttctagg    420
tattaatcat attaagtatg gcttagtttt tatattagaa ccatagttaa attaacatgg    480
cagcctttaa tagactttag aa                                             502
```

```
        <400> 206
tctttcttc tttctttctt tctctttctt tccttcagca ctggatctcg cttacagtag       60
gtttattta ataattctcc tccttacact ttctgtctca ccagtttccc ctcaaactga     120
tttacctgct acataaaatt attcttattg ggcttatgtg ccttttcctc cacttattcg     180
acctctcacc tggatggatg ctcctgcaga aatctatact aacgatagtg tatatatgcc     240
tggagctaca gatgaccatt gccccactca accaggagaa gaaggcactg catttaatgt     300
tactatgggt tataaatacc ctcctctgtg cctcggacat gcaactcgtt gtatccatct     360
agaaactcaa gtctgggctg cttatcttct ggagagatta gctacaggaa aatggggaca     420
tttggtctcc ggcctctccc tttctccttt aagacaaatg aaaggggggag taatgagaga    480
tacccccatac tttcaatata aacctgtagg aaaatcatgt cctaaaaatt ttgagggccc    540
atctaaaact ttaatttggg aagattgtgt taactcacat gtagtagtat taaaaaatgc    600
ctcatatggt ttagtaatag actgggcacc aaagggctat tttaaaaaac aattgctcct    660
ctggtggaag ggaatgcctg gaggctactt attttatttc tcattgggag gacaaggatc     720
atcatcctac tttgcatagg agggtcagct cattctttcc cttataatgg gaagataang    780
gcattacccc cac                                                        793
```

```
<220>
<221> misc_feature
<222> (1)...(899)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (155)...(898)
<223> similar to gi19867 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters




    <400> 207
ggcacgagga agtgggtgag gttggggtcc caccagagat gagggactcc tggaggaagt      60
gtggacattc ctggctaggg tgggagtccc aggagaggtg tgtcaaggct gggactcctg     120
aagtgaatgt ggatgtccct gtctgggatg gggacctggg aggcaggagc caagggctgg     180
ctacgtgcca tgtcacacag cagaggagct cctcatctgc catggctcat gtgggcagcc     240
cctgacacca cccttccatc tgccccactt ttcagcaccc tccagccctc cacttgcagc     300
acagtcccct gaggggcacc atggacacca agaaccagcc tccacatcct tcctacctaa     360
caggattcag gaggagtggg ggttgctggt tcggtcacag aaggacctgt attgggatgc     420
gatgctggag aagtacggca cagtggtctc cctgggtgag gaccagccag ccccaccccg     480
cccctctccc tggggcctgc acccaccctg cagcaggcct agctgggcag ggcctctgtg     540
ctaccagccc tacccagctc tcccaccttc cagaggaaca ccctgtcacc taccagaacc     600
gaccccaccc ctccttcatg caaacccat gcctaactgt gccccccacc cgggcagggt     660
taccgcccca ccagccagag gcacaggccc agtcagagct ggggatgctg ctcacggnga     720
caggcgtctg cagaagcctg cgctcgggga gtgccccaca ccatccagcc tgaatcaccc     780
ctcctgtatc gggggacctg agccacccac tcatggnggg acggagcttg gccacagcac     840
aagcctcaaa ggaggggtgt gagngccgga ctcacctgtt tgcccctgcc cccaggaa      898




    <210> 208
    <211> 1267
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1270)...(631)
    <223> similar to gi4056437 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters




    <400> 208
ttttttttt ttcagaaaca tatcgaaaac tttactagaa atatagagaa aaaaaaataa      60
ctgcctggga ggtttcctgt cccttcagga tggatgacca acagatgggg cacctaggtc     120
cagtggggct gctcccgatc tactgtttct tcctccagga gcaaggcatc tagctcctcc     180
agccgctgct ggagcagggg gcccacatca gggctggggg ccacattggg aggaacagtc     240
ctgcccctg cagcccggac cccacgggac ggtcttcgtg atcgaggaag gctgctgtcc     300
cgaaattcca cagcccgccg gagcttcctt gagctggtga aaatcagagt cccattgcgc     360
tcccgggggtt cctcaaagat ggtctcaaag gtcctcctgg ttgtgggtga ttggtaattc     420
```

117

```
ttgttggtgt aaatttcttc caagctgaac tccttcttgt tcaacctgat tggtcgaggc    480
agtcccattg gtgtaaggtt tagctgagga cgggctggtg ttctgcgtat tctgaatcga    540
gaaacctttc ccatggtctt ggtctcaggt tctgaaagca cctggtcctt tgaggctctt    600
ggctccttcc ctttggttga acccaacctg ggttctgctg gttcggagaa ggaagtggat    660
gccgtggacg agcaagatgt ggtgagagaa ggggaggctc ccactcctcc gagagggaag    720
acctctttcc ggagacaggg ccgagggggt ggcggggctc gggccatttc cccaccaccc    780
acagtgtgcc gccgcggccg tggtcggctt ggttggggtg gagcaggtgg ccaggtgcag    840
gtacctgggc caggggccc cagatcaggg caggagtagc ttcggcccag agagggctta    900
gggagaagtg ctggggtatt gtggtcctga gttcgccact ggcggattgg gggccggggg    960
ctgacagacg cagtgccctc agcagcccca gactgctcgg cctctgagat ggcgatcttc   1020
aactccagct tcattggggg ggacgggggt ggggctgtg gggtttgtt gggcgtgagg   1080
aagatgtcag caaagctctc cagcttggag cggacggaac ggaagagcgg ggccaagccc   1140
cagggactga ggcggggggcg taaaaggctg gacggtggtg gggtggatgg gagctccaga   1200
gcaggatctg gggctgttgg tgggctctcc agagggtctg caggcagagc agatggctgg   1260
aatgggg                                                            1267
```

<210> 209
<211> 2103
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (872)...(2103)
<223> similar to gi2072948 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 209

```
ctaagatgct tttatttacc ccagttaata ccaccttacg gaaaataata tttgctaata     60
ttgtttattg tgaactagaa tcaaagtttt tgtatgcatc aatgcactta atccttataa    120
caaccttatg aggtagttct attccctttt tatagctaag gaaattgggg tacagagaag    180
ttagccccaa ggttatatat tgcaagtaag tggcagagca gggattcata caaagacctt    240
ctcactcagc agtcttcact cttactattc ctgccactag gtagaaaaag aaagatttcg    300
gccgggcaca gtggctcacg cctataattc ccagcacttt gggaggctga ggtgggcgga    360
tcacgaggtc aggagatgga gaccatcctg gctaacacag tgaaaccccg tctctactaa    420
aaataaaaaa taaaaaaaaa ttagccaggc gtggtggcgg gtgcctgtac gcccagctac    480
tcgggaggct gaggcgggag aatggcgtga acccaggagg aggagcttgc agtgtgccaa    540
gatcgcacca ctgcactcca gcctgggtga cagagcgaga ctccatcaaa aaaaaataaa    600
taaaaaaaaa ataaaagatt tcatttttatg tgaggaatta ttttaataaa aaaagaggg    660
tttatgctct atagtaataa aatttaccag taacacccaa tcagaaaatt ttggttcctt    720
agtatttagg gaagactttt gtttaaatct cttatggaat tttacatgtt ttgatttaga    780
aaagtagatg caatataata tatttcaagt tttatacata ttagatgaat tgcatggtat    840
tttaggcaac ttaactataa acaaatttat tcatagaagc attgttgcca acaatttaga    900
tgacctcgat gaaaaaacac accaattgac aaaactggct caaaaggaaa taaaaaatcc    960
aaacagacct gtaacaagta aagagattga accagtaatc aaaaatctcc caacaaagaa   1020
agtccaggat taaatgagtt tactggcaaa ctatgccaaa catataaaga agaattaaca   1080
ctaatccttc ttgaactctc ccaaaaaatg gaagagaaag gagcaccctg tgacattcta   1140
taaggcggac attaccttaa caccaaagcc agacaaagac ctcacaggga agctacagac   1200
caatatccct tatgaatata gatgcaaaaa aacttcaaaa tactagcagg ccaaatccag   1260
cagcttatta aaatgatcac acagcatgac caagtgagat ttatcaaaga aatgcaggga   1320
```
```

118
```

```
tggttctaca tacaaatgtc aatcgatgta ataatatacc atattaatag aatgaagggg    1380
aaaaaacagc atgatcacct caattgataa gaaaaagcat ttgacaaaaa tccaacaccc    1440
tttcatggta aaaacactct gcaaactagg aagaaaaggg aactttctta acctgataaa    1500
gacatccata aaaacccaca gctaacaaca taatagcaaa acattgaaaa ttttttcccct   1560
aatatcatga aaattcctga tttccccact gctattcaac attatactag aaggtctagc    1620
cagagcaatt aggcaagaaa aagaaataaa atgaatccca aataggaaga agtaaaacta    1680
catttgcaga aaacatggtc ctatatatta aaaatcctaa agaatccaca aaatgattcc    1740
ggctgatttt aaaaattcag caatgttgca ggttgcaaga tcaacacaca aaagtctaag    1800
aaaaacctga ggggaaatta aaacaatttc atttacaata acatgaaaaa gaataaaata    1860
cttagaaata aatttgacca agaaagtgca agacttggac actgaaaagt acaaaacgtt    1920
gctgaaagaa attaaagaag acctaaataa atggaagaca tcctgtgctg gcaggttgga    1980
agacttaaca ttgttaagat ggcattactc ccaaaattag tctatagatt taatacaatc    2040
cccattaaaa ttccagtgac ccttttacag aaactgaaaa gctgacccta gaatttatat    2100
ggg                                                                  2103
```

<210> 210
<211> 1627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1448)...(15)
<223> similar to gi30058 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 210
```
cttaggagcc ccccaccgag ggtggacaca gtcccttttcc ttcctgcaga tgcctaggca    60
ggaggagggc ttcctgcctg tttggcaaag tcccaggcag aggccaagga tgaggcctga   120
ctcggctcct ccctccacat cagccagggc atcagaagtt gggccagggc ggggtcttcc   180
ctgctcgatt ttggacgagg cctaagtaga ccccctatgc cctgccccag ccctggctct   240
ttcctaaccc cctcaacggt gggaggaact ggcagagggt gcgcctggcc acagcctccc   300
cgcatctaaa ggccccttca gttcttgacc aaaggtgcta cgagaacctg ccgtggaaac   360
ttccagttgt gcgtctgccc cactcgctgt gtttgtccgt gggttcatac atgcattggg   420
tgctaggccc caggctgccg ggtggcaccc tttacagttc ctttgaacag gggcattgaa   480
ggcctggact gcctctcgcc tcagtaggcc tggggaccag gcttgggtct ggaggtttgc   540
tgtggaagtc accaggcctc ccctcctggc ccaggtgtgc tggggggcacc gtgcccccca   600
cccccctgcc ctcctcaggg tggtcagccc aacctgtcgg accttcactt cacatcatgg   660
tggggaccga gatagagagg gagaccccat tccaagctcc ctcttcctcc cggtgtttgg   720
ggaggatgct gaagaatcca ttcccgaggg cctccggct tgtcccagcc cctcttttgc    780
ttctgaccac ggaggctttc tcacagccca gcctgcctga agcaaaggag gctcccgtgt   840
cctgggcagc ttctgttttcc ctctgctgcc tgggagctga ggcaccgtg ccagtggcag    900
aggccacagc cccagcctta ggccaggccc tgggagggca ggcaggcaaa ggggagacca   960
gagggtctgt gttctccagg agaatgaggg tgttggtccc agaattggga ccggggcccc  1020
gctggccagc cctgggccac ttcccgggtc tccattgtgc gtgggtggcg tgttccaggc  1080
gtggctggag ctggcttcct ggctgtgctg ccatgggccc ctccctcaaa agcacgttgg  1140
caggaggccg atcagaaccc tagcgccttt ggtcctaaga atgggaggct gccttccttc  1200
ccaatctccc tgccagggcc cacagcgtgg ccctagccct ccctccccg ggatgtagaa   1260
cggggaccct cgcaggttg gggcgggggc tgatactcct cggcccctcc ctaccctgcc   1320
ctgtgtgttg ctttgtggc cgtccaagtg ccaattggct tttcgcccaa ataagggctg    1380
```

119

```
gtatttctcc tctgtccttg gaggtgattt ccccctgacc ccctcccca ggtgagtgac    1440
cacctgggtg ccagttacag gtgtttccag agaccataga aatgtgtttt cctgagagtt    1500
cgtgtcattc gtgacttttt tgtaaagaag ttgtgttttc agaggtgatt ttatgacagg    1560
aaagtgaaag aattagtttt gcaaaaaaac aaaaacaaaa aaagaggaaa aaaaaaaaaa    1620
aggggggg                                                            1627
```

<210> 211
<211> 1100
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(797)
<223> similar to gi4585574 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 211
```
cgtggagccc ggcgccttca acaacctctt caacctccgg acgctgggtc tccgcagcaa      60
ccgcctgaag ctcatcccgc taggcgtctt cactggcctc agcaacctga ccaagctgga     120
catcagcgag aacaagattg ttatcctgct ggactacatg tttcaggacc tgtacaacct     180
caagtcactg gaggttggcg acaatgacct cgtctacatc tctcaccgcg ccttcagcgg     240
cctcaacagc ctggagcagc tgacgctgga gaaatgcaac ctgacctcca tccccaccga     300
ggcgctgtcc cacctgcacg gcctcatcgt cctgaggctc cggcacctca acatcaatgc     360
catccgggac tactccttca gaggctgta ccgactcaag gtcttgggag atctcccact     420
ggccctactt ggacaccatg acacccaact gcctctacgg cctcaacctg acgtccctgt     480
ccatcacaca ctgcaatctg accgctgtgc cctacctggc cgtccgccac ctagtctatc     540
tccgcttcct caacctctcc tacaacccca tcagcaccat tgagggctcc atgttgcatg     600
agctgctccg gctgcaggag atccagctgg tgggcgggca gctggccgtg gtggagccct     660
atgccttccg cggcctcaac tacctgcgcg tgctcaatgt ctctggcaac cagctgacca     720
cactggagga atcagtcttc cactcggtgg gcaacctgga gacactcatc ctggactcca     780
acccgctggc ctgcgactgt cggctcctgt gggtgttccg gcgccgctgg cggctcaact     840
tcaaccggca gcagcccacg tgcgccacgc ccgagttgt ccagggcaag gagttcaagg     900
acttccctga tgtgctactg cccaactact tcacctgccg ccgcgcccgc atccgggacc     960
gcaaggccca gcaggtgttt gtggacgagg gccacacggt gcagtttgtg tgccggggccg    1020
atggcgaccc gccgcccgcc atcctctggc tctcacccg aaagcacctg gtctcagcca    1080
agagcaatgg gcggctcaca                                               1100
```

<210> 212
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(739)
```

<400> 212

```
tcgctgaaga aaaaccgttt gaagtttaga aatgcaggaa atccttcaac cagcttgaat      60
cactgaatat gcatttgaga aatcacatta gattgaaacc ctacgaatgc agtatatgtg     120
ggaaagcctt tagtcatagg tcgtccctgc ttcaacatca cagtattcat actggagaga     180
aaccttacga atgtattaaa tgtgggaaga ccttcagctg tagttcaaac cttactgtac     240
atcagagaat tcatactgga gaaaagccat ataaatgtag tgagtgtggg aaagctttta     300
gcaaaggctc gaatcttact gcccatcaaa gagtacataa tggagagaaa cccaatagtg     360
tggtaagtgt ggaaaagcct ttagatcata tgaatcccta tacatgtgag aaatcttaca     420
gaagagaagc agtgtttatc acggtaaact tcattcatag atcctccctt atttaacatc     480
agaaaaatgt atactgggga aaagttgtat gaaggtggtg aacatgggag acttttagca     540
atgatgcaga ttttttattt agagtttata ctgtagagaa atcatatgaa gtcaataaat     600
gtgggaaagc ctttgtcagt attaatccct taattgacct aagtatactc acactaggaa     660
aaatctgtgt acctgtagga gtttgcagga gattcctatt gcctatagtc tttcccacat     720
atgctacatg tagtcgacg                                                   739
```


<210> 213
<211> 1905
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (506)...(1905)

<400> 213

```
gcggccgctg cttcaggtcg gcgggctcca gggagacctg ggtgggcagc gtcgccgttt      60
ctcctttctt gggcagtatt tttcccagcg ccacgcggag gctgggccat tatgagctct     120
gcatttccag gacctggtca ctattcagga cacggttcca gcgcagtgcg cgttagccat     180
gtctcaggga tgagtgacat tccaagatgt ggccattgac ttctccaagg aagagtgggg     240
attcctgaac cctgctcaga gagatttgta cacaactgtg atgctggaga attatcagaa     300
cctggtctgg ctgggacttt ccatttctaa atctgtgatt tcactgttgg agaaaaggaa     360
actgccttgg ataatggcaa aagaagagat aagaggccca ttgccagatg tgccaggtgc     420
agagattaag gagttatctg caaagagggc tattaatgaa gtattatcgt agtttgacac     480
agtgataaaa tgtacaagaa acgtatgtaa ggaatgtgga aatctatact gccacaatat     540
gcagcttact ctccataaga gaaatcatac acaaagaaa tgcaatcagt gtttagattg     600
tgggaaatac ttcactcgtc aatcaactct cattcagcat caaagaatcc acacgggaga     660
gagaccctat aaatgtaacg aatgtattaa aaccttcaac cagagggcac accttaccta     720
gcatgagaga attcacactg gtgagaaacc ttacaaatgt aaggaatgca ggaaaacctt     780
cagccagatg actcatctca cacagcatca gactacacat acgagagaaa agttccatga     840
atgcagtgaa tgtggaaagg ccttcagccg tgtctcagct cttatagatc accagcgaat     900
tcatagtgga gaaaagccgt atgaatgtaa ggagtgtgga agagccttca ctcaaagtgc     960
ccagctcatt agacatcaga aaactcattc tggagaaaaa ccctatgagt gtagtaagtg    1020
```

```
taagaaatct tttgtgcacc tgtcttccct gattgaacat tggagaattc acactggaga      1080
aaaaccatat caatgtaagg actgcaaaaa gaccttttgt cgtgtgatgc agttcactct      1140
gcacaggaga attcatactg gtgaaaaacc ctatgaatgc aaggaatgtg gaaagtcctt      1200
cagcgcccat tcttctcttg ttactcagaa gagaacacac agtggagaaa aaccgtataa      1260
atgcaaggaa tgtggaaaag ccttcagtgc gcactcttcc cttgttactc ataagagaac      .1320
acacagtgga gagaaaccct atacatgcca tgcctgtggg aaggccttta atacttcctc      1380
cacactttgt caacataata gaattcatac tggtgaaaaa cccttttcagt gcagtcaatg      1440
cgggaagtcc tttagtcctt tagctgcagc tctcacctta ctcgacactg tagaatgtgt      1500
aatggaaaat ttagcaaata accaaaactc aaaatgttaa ttctgattat tctgtatcat      1560
caccagtact ttgtactttg agtcttttta aatatgctct gttagtttgt atggaatgat      1620
atttcattgc acttttaatt taacttaaaa atgccttccc ttgactgttg atatgtattt      1680
tttgtgaagt gtgtgttgaa gccttgcaga ttattttta aattagaggt ttatcactag      1740
gtatatctcc taatgctatc cctccccct ccccctaatg taaatgacga gttaatggtg      1800
cagcacacca acatggcaca tgtatacata tgtaacaaac ctgcacgttg tgcacatggt      1860
accctaaaac ttaaagtata attaaaaaaa aaaattagaa aaaaa                       1905
```

```
<400> 214
ggcaagaata tgcgatacat tgccagtctt gtcaatgctg acaaattggc tggccgaact        60
cgcaaataca aagtgatctt cagccctcaa aagttctatg cgtgtgagat ggtgcttgag       120
gaagagggaa tctatggaga tgtgagctgt gatgaatggg ccttctcttt gctgcctctt       180
gatgtggatc tgctgagcat ggaactacca gaatttttca gggattactt tctggaagga       240
gatcagcgtt ggatcaacac tgtagctcag gccttacacc ttctcagcac tctctatgga       300
cccttttccaa actgctatgg aattggcagg tgcgccaaga tggcatatga attgtggagg      360
aacctggagg aggaggagga tggcgaaacc aagggccgaa ggccagagat tggacatatc       420
tttctcttgg acagaggtaa attatgccca gcgttcctgt catctttcag ccctagaaga       480
cacgggaata tggaaggcgt ggtggcaaag ttaaaatcct aaagttaggg ctgtgaatcc        540
cagctttgag gagcgtgggt ccttggccct atggaaagta tcaaagctgc ccttggacat       600
gctgtgtaga aggctgggtc agggagaacc ttcatggtca gggatctctg tttcagatgt       660
ggactttgtg acagcacttt gctcccaagt ggtttatgag ggcctagtag atgacacctt       720
ccgcatcaag tgtggtaagt gctatggtcc tctgcatctt ggcaagatgg acgggtcatc       780
agccttggca cctgccacgt ggggcagggt ttgtgggaga gacccacacc ctgaatgaac        840
tgc                                                                     843
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(684)
<223> similar to gi2662081 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 215
ggggcgagac agctctggac atagccagga agaagcacca caaggagtgt gaggagctgc   60
tggagcaggc ccaggcgggg acctttgcct tccctctaca tgtggactac tcctgggtaa   120
tttccacaga gcctggctct gacagtgagg aggatgagga agagaagcgc tgcttgctga   180
agctcccggc ccaggctcac tgggccagtg ggaggctgga catcagcaac aagacctatg   240
agactgtcgc cagcctggga gcagccaccc ctcagggccg agagtgagga ctgtcccccg   300
cccttgccag tcaaaaactc ttctcggact ttggtccaag ggtgtgcaag acatgccagt   360
ggagatcgtt ctgaagtctc cagcctgagt tcagaggccc ctgagacccc tgagagcctg   420
ggcagtccag cctcctcctc cagtctgatg agcccttgg aacctgggga tcccagccaa   480
gccccaccca actctgaaga gggcctccga gagccccag gcacctccag acccagcctg   540
acatccggga ccaccccttc ggagatgtac ctccccgtca gattcagctc cgagagcact   600
cgctcctatc ggcggggggc gcggagccct gaagatggtc cctcagccag gcagcctctg   660
cccaaaagga acgtgccggt tggcatcact gaaggagatg gctcaaggac tgggagtctc   720
ccagcaagtt ctgtgcaact tttgcaagac tagctccttg ctggccccca catgccccat   780
gctaggcccc aatgttcaga gctgggactt gaagctcaca aaactgggga gctgagacat   840
ttgttctctt ggaatctcac tctctctgtc cccttgtgcc tctgtaagct ggccttcttc   900
ctgccacagg ccatgcctct accaaggaca catggccttt cccttggtta aggggctgat   960
gggcgagttc ttttcctatc tcattacccg ctaggggccc tgggaagccc tgtggctgga   1020
tctaagtgct cct   1033

<210> 216
<211> 848
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(850)
<223> similar to gi5824110 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 216
cttcctgttg cagctgttcc aggagctctg agtcctttgg ccattccaaa tgctgctgca   60
gcagctgctg cagctgctgc tggccgagtg ggtatgcctg gagtctcagc tggtggcaat   120
acagtcctgt tggttagcaa tttaaatgaa gagatggtta cgccccaaag tctgtttacc   180
ctcttcggtg tttatggaga tgtgcagcgt gtgaagattt tatacaataa gaaagacagc   240
gctctaatac agatggctga tggaaaccaa tcacaacttg ccatgaatca tcttaatgga   300
cagaaaatgt atggaaaaat tattcgtgtt actctgtcta aacatcagac tgtacagcta   360

```
cctcgagagg gacttgatga tcaagggcta acaaaagatt ttggtaattc cccattgcat    420
cgttttaaga aacctggatc caaaaatttt caaaacattt ttcctccttc tgccacccctt    480
cacctatcta atatccctcc atcagtagca gaagaggatc tacgaacact gttcgctaac    540
actgggggca ctgtgaaagc atttaagttt tttcagtaag caagcttcct tatctttaaa    600
ttagtgacct gataaaattt ttaagtagtt tttgttcttt tcgtttatag aaattttttga    660
ttccggaatg gccaaaattc aagtatttaa taagcccttt ctaatttgta tgaagtatct    720
aattttataa ttttgtttca gaagagatca caaaatggct cttcttcaga tggcaacagt    780
ggaagaagct attcaggcct tgattgatct tcataattat aaccttggag aaaaccatca    840
tctgagag                                                              848
```

```
<400> 217
tgcatgtgga aaagccttca gtgagaagtc acaccttatt gcacatcaga gaactcatac     60
tggggagaaa ccttatgatt gttctgaatg tggaaaaggc ttttctcaga aatcatccct    120
cattatacat cagagagttc acactgggga aaaaccatat gaatgtagtg aatgtgagaa    180
agccttctcc cagaaatcac ccctcattat acatcagaga atacatactg gggaaaagcc    240
ctatgaatgt agagtgtggg aaagcctttt cccagagtca cagctgatta tacatcacag    300
agctcatact ggagagaagc catgtaagtg tactgaatgt gggaaagcat tctgttttat    360
acattaaaga gttcacactg gtgagaaacc ctacaaatgt gctcaatgtg aggaagcctt    420
cagcaggaag tcagaactca ttatacatca gataattcat actggggaga aaccgtatga    480
atgtacagaa tgtgggaaaa cattctctcg caagtcacaa ctcatcatac atcagagaac    540
ccacactggg agagaaaccc tataaatgta ccaaatgtgg aaaatccttc tgttcagcag    600
tcacatgctt cattgggaca tcagagaatt cacacgggag aacaaccta tgtatgttct    660
gaatgtggaa aagcctttgc taagaagtca caactcattg ttcatcaaag aattcatact    720
ggaaagaaac catatgattg tggggcatgc ggaaaagcct tcagtgagaa gtttcatctt    780
gttgtacatc agagaactca tactggggag aaaccttatg attgttctga atgtggaaaa    840
gccttctctc agaaatcgtc ccttattata catcagagag ttcacactgg ggaaaaaccc    900
tatgaatgta gtgaatgcgg gaaagccttc tcccagaaat caccccctcat tatacatcag    960
agaatacata ctggggaaaa accctatgaa tgtacagagg gtgggaaggc ctttttcccag   1020
aagtcacagc tgattataca ccacagagct catactggag agaagccgta t            1071
```

124

<220>
<221> misc_feature
<222> (1)...(1084)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (20)...(1083)
<223> similar to gi1389943 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 218
gcataaaaca tctttagatg actacgccaa gcttggcacg aggcctcgtg ccataatgta   60
tggctgcgac ttggggctgg aagggcgcct cctccgcggg tatgaacagc acgccaacga   120
tggcaaggat tacatagccc ggaactagga cctgcgctcc tggaccgcgg cggacatggc   180
ggctcagatc accaagcgca agtgggaggc agaagaattt gcagagcaga tcagggccta   240
cctggagggc acgtgcgtgg agaggctcgc agacacctgg agaacgggaa ggagacgctg   300
cagctcacgg gtaccaggga acacaagacg cctccctgat cgcctgtaga tctcctgggc   360
tggcttccca caaagagaga aggaaaatgg gaccaacact ataatatcgc cctccctctg   420
gtcctgaggg agaagaatcc tcctgggttt ccagagagtg actctgaggg tccgccgtgc   480
tctctgacac aattaaggga tgaaatctct gaggaaatga agggaagaca atccctggaa   540
tactgatgag tggttccctt tgacactggc agcagccttg ggccccgtga cttttcctct   600
caggccttgt tctctgcttc acactcaatg tgcctggggg tctgagtcca gctcttctga   660
gtccctcagc ctccactcag gtcaggacca gaagtcgctg ttccctcctc agggactaga   720
attttccacg gaataggaga ttatcccagg tacctctgtc caggttggtg tctgggttct   780
gtgctccctt ccccacccca aggtgtcctg tccattctca ggatggccac atgcgtgctg   840
ctggagtgtc tcatgagaga tgcaaagtgc ctgaattttc tgactcttcc tgttagaccc   900
cccccgcaag acacatatga tccaccattc cgtctctgac tataaggcca ccctgagctg   960
ctgggccctg gggcttctac cctgtggaga tcacactgaa gctggcagca agatggagan 1020
gaccagaatc gggaaatgga agctttttaa agaccaaggg ctttcagggg atgggaactt 1080
tca   1083

<210> 219
<211> 920
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (238)...(918)
<223> similar to gi5917664 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 219
ctgacttgcc caaagtgaca cagctgggca gaagtgagat tcaaacctag gccaagggct   60
ccagagtccc agatcttagc tattttgtcg ctaaagtctc ttgaaagcta tttaaacaag   120
gactacgata tagcccttgt tcctcttcac ctcctaccac cctctgactc attcactcca   180

125

```
ctatagctcc tgaccttcag tctattccct gaaaatgaca agctggttct cacctcaggg    240
tctttgcact cttctccctt ctcttctata tttgttgagt gaatgcggct ccctctgact    300
cctaaacctg cacttcccct gcctccaatc accacctcct atggtgcatc cctactgatt    360
ttccacttcc cgacctctcc ttccctccct ctgcccagaa cccggctcca ttctcatgca    420
taagtcccac cctttgccac taagtcctgc ccctaactca aggacagccc atccccaaac    480
ccattccaga gctctctcca gccagatcag ccccagggtc ccgagcttcc attcagtgtt    540
ccctctagcc cataagcccg actcctgcca ttcatgcagt cagccccgcc ccttcactca    600
ggctccgccc agatccatta aggcccacct cttccctcag ggcctccctg aaccccctcag   660
ggaccagctc cctcaaatcc cgccccagat ctatttaacc cacgcaccag gaccctcagg    720
gttccaccta aatcgattaa ggttcagcct cagacccact aaacccctcc cagcatccac    780
ttaggtcctg cctccatcac accagacccc gccccctgat ctacaaagcc ccgcccattc    840
ccacaggccg catcctccct gggcccagac ccaggacccc agcttcgtcc accaccctca    900
ccgtaggtct cagccatgac                                                920




        <210> 220
        <211> 411
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(283)
        <223> similar to gi3002527 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 220
tttttttttt ttcctgagat ggagctttgc tgttgttgcc caggctgtta gtgcaatggc      60
acaatctcag ctcactgcct tttgggttca agcaattctc ctgcctcagc ctcccaggtg     120
gctgggactg caggcgcccg ccactacgcc cggctgattt tttgtatttt tggtggagac     180
ggggtttcgc cgtgttcgcc aggatggtct ccatctcttg acctcgtgat ctgcctgcct     240
cagcctccca gtgctgggat tacaggcgtg agccaccgcg cctggccaaa atatataacc     300
ttaagtgtca tcaatactct ggctgaccat catcatcgtg ggactgactt tggtggaagt     360
ccttggttac atgtcattat tgcatttccg acaagttata aagttgtcat t             411




        <210> 221
        <211> 2058
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (72)...(2034)
        <223> similar to gi5305335 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

<400> 221

```
gtgaaaggag cctccacggc tgtcctcagg caaggtggag gggtgtggcg ggtgctgttg        60
gggtgctcct acccgctcag ccccagcctt gatgagggac tgcatcgtac agcttcgggg       120
gacctccgca gtttccctga cccggtgctg cccctgaacg tgcctcacag gtccggcagg       180
ttcggctatt ccaggacgag gagatctaca gcgacctgta cctgaccgta tgcgagtggc       240
ccagcgacgc ctccaaggtc atcgtcttcg gcttcaacac ccgctcggcc aacgggatgc       300
tcatgaacat gatgatgatg agtgacgaga accaccgtga catctacgtc agcaccgtgg       360
ccgtgccacc gccaggccgc tgtgctgctt gccaggatgc cagccgagcc cacccaggag       420
acccgaatgc acagtgccta cggcatggct tcatgctgca caccaagtac caggtggtct       480
accccttccc caccttccag cccgccttcc agctcaagaa ggaccaggtg gtgctgctca       540
acaccagcta ctccctggtg gcctgcgccg tctccgtcca ctcggcaggt gacaggagtt       600
tctgccaaat cctgtatgac cacagcacct gccccctggc gcctgccagc ccccctgagc       660
cccagagccc agagctgccc cctgccctcc ccagcttctg ccctgaggcg gccccagccc       720
gttcttctgg gtctcctgag ccctcgcccg ccattgccaa agccaaggag tttgtggctg       780
acatcttccg ccgggccaaa gaggccaagg gcggggtccc tgaggaagcc cggcctgccc       840
tgtgcccagg accctctggc agccgctgcc gtgcgcactc tgagccccta gccctgtgtg       900
gagagacggc accccgggac agcccccctg cctcggaggc acctgcctcc gagcctggct       960
atgtcaacta caccaagctg tactatgtgc tggagtccgg agaggggacg gagccggagg      1020
atgagttgga ggacgacaag atctccctgc ccttcgtggg gactgatctt cgtggccgca      1080
acctgcggcc catgcgggag cggactgctg tccagggcca gtacctgaca gtggagcagc      1140
tcacactaga cttcgaatat gttatcaatg aggtcatccg ccacgacgct acctggggcc      1200
atcagttctg ttctttcagc gactatgaca tcgtcattct ggaggtctgc ccagaaacca      1260
accaggtcct catcaacatt ggcctgctgc tcctggcctt cccgtccccc actgaggagg      1320
gccagctccg accaaagacc tatcacacca gcctcaaggt ggcatgggac ctcaacacag      1380
ggatcttcga gacagtcagt gtaggcgacc tgactgaggt caaagggcag accagcggca      1440
gtgtctggag ctcctaccgc aagagctgcg tggacatggt catgaagtgg ctggtgccgg      1500
agagcagcgg ccgctacgtc aacaggatga ccaatgaggc gctgcacaaa gggtgctccc      1560
tgaaggttct ggcggacagc gagcgatata cgtggatcgt gctgtgaggg ccaggccgcc      1620
ccggacactg actccaacta cctccgtggc ctgggaccgg ccgccttcct ggggtggcct      1680
cttcctggcc ggctggccca ccgactgatg accggcacta gtgttagcct gcggaacggg      1740
gctgggcagg gcacgcctct gatggcctga gggtctggac gctttttatt tatgcctata      1800
taagttggga aggggcagag agaggggcgc cccctgcccc accagcttga gtgccccgcc      1860
ttcaccccga gctgggcatg ggcctggccc ctcgtgcatt tgcccctttt ctcggctaca      1920
gctgtggacg ttgccctcgg ggaggtcgaa tggaccccat tcccctgcc ctgcccgccc      1980
ccagcctccc cacaccaggc cggcaacctg gccatcccca ttccgttctt cttcatgtaa      2040
taaatgtttt aatttctg                                                    2058
```

<210> 222
<211> 2109
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (96)...(1707)
<223> similar to gi65234 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

127

<400> 222

```
gcaatggtga agccattggg cgggatcgcc gggggcgcag ggcccggagg aacaacagtg     60
gagaagcagg cggggcagcc acacaggagc tcttctgctc agcctgtgac cagctctttc    120
tctcacccca ccagctacag cagcacctgc ggagtcaccg ggagggcgtc tttaagtgcc    180
ccctgtgcag tcgtgtcttc cctagccctt ccagtctgga ccagcacctt ggagaccata    240
gcagcgagtc acacttcctg tgtgtagact gtggcctggc cttcggcaca gaggccctcc    300
tcctggccca ccggcgagcc cacaccccga atcctctgca ttcatgtcca tgtgggaaga    360
cctttgtcaa ccttaccaag ttcctttatc accggcgtac tcatgggggta ggggggtgtcc    420
ctctgcccac aacaccagtc ccaccagagg aacctgtcat tggtttccct gagccagccc    480
cagcagagac tggagagcca gaggcccctg agcccctgt gtctgaggag acctcagcag    540
ggcccgctgc cccaggcacc taccgctgcc tcctgtgcag ccgtgaattt ggaaaggcct    600
tgcagctgac ccggcaccaa cgttttgtgc atcggctgga gcggcgccat aaatgcagca    660
tttgtggcaa gatgttcaag aagaagtctc acgtgcgtaa ccacctgcgc acacacacag    720
gggagcggcc cttcccctgc cctgactgct ccaagccctt caactcacct gccaacctgg    780
cccgccaccg gctcacacac acaggagagc ggccctaccg gtgtgggggac tgtggcaagg    840
cttcacgca aagctccaca ctgaggcagc accgcttggt gcatgcccag cacttcccct    900
accgctgcca ggaatgtggg gtgcgttttc accgtcctta ccgcctgctc atgcaccgct    960
accatcacac aggtgaatac ccctacaagt gtcgcgagtg cccccgctcc ttcttgctgc   1020
gtcggctgct ggaggtgcac cagctcgtgg tccatgccgg gcgccagccc caccgctgcc   1080
catcctgtgg ggctgccttc ccctcctcac tgcggctccg ggagcaccgc tgtgcagccg   1140
ctgctgccca ggccccacgg cgctttgagt gtggcacctg tggcaagaaa gtgggctcag   1200
ctgctcgact gcaggcacac gaggcggccc atgcagctgc tgggcctgga gaggtcctgg   1260
ctaaggagcc ccctgcccct cgagccccac gggccactcg tgcaccagtt gcctctccag   1320
cagcccttgg aagcactgct acagcatccc ctgcggcccc tgcccgccgc cggggtctag   1380
agtgcagcga gtgcaagaag ctgttcagca cagagacgtc actgcaggtg caccggcgca   1440
tccacacagg tgagcggcca tacccatgtc cagactgtgg caaagcgttc cgtcagagta   1500
cccacctgaa agaccaccgg cgcctgcaca caggtgagcg gccctttgcc tgtgaagtgt   1560
gtggcaaggc ctttgccatc tccatgcgcc tggcagaaca tcgccgcatc cacacaggcg   1620
aacgaccca ctcctgccct gactgtggca agagctaccg ctccttctcc aacctctgga   1680
agcaccgcaa gacccatcag cagcagcatc aggcagctgt gcggcagcag ctggcagagg   1740
cggaggctgc cgttggcctg gccgtcatgg agactgctgt ggaggcgcta cccctggtgg   1800
aagccattga gatctaccct ctggccgagg ctgaggggt ccagatcagt ggctgactct   1860
gcccgacttc ctctttggca cctccattcc ctgttgctga aggccctcca gcatccccttt   1920
aagcatctgt acatactgtg tcccttcctc ttcccatccc caccaccttg taagttctaa   1980
attggattta ttctctcgtg agggggggtgc tctggggtcc ttgacacaca taaaggtgcc   2040
cccccacctt ccacctctta gcactggtga ccccaaaaat gaaaccatca ataaagactg   2100
agttgccaa                                                          2109
```


<210> 223
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> similar to gi3002527 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 223

```
tttttttttt ttaagatggg gtctcgctct gtcacccagg ctggagtgca gtggtgtgat      60
gtcagctcac tgcaagctcc gcctcccagg ttcacactat tctgcctcag cctcccaagt     120
agctgggact acaggtgcgt gccaccatgc ccggctaatt tttttgtatt tttagtagag     180
acggggtttc accgtgttag ccagtatggt cttgatctcc tgacctcgtg atccacctgc     240
ctcggcctcc caaaagtgct gggattacag gtgtgagctg ctgcgcctgg cttatgagtc     300
gtatgttctg atcctccctc ttgaagttgc cttctgtggt ctaaggaggg cctgaaggtt     360
caggtaaaaa cttcagggtg accttcactg ggggtg                               396
```

<400> 224
```
gtggtggaat tcccggccac ggtggaacac ccatgtaccc atccctccgc cccacatggt      60
gttgggggct ctctcaccag aagctgagcc caacacaccc aggccccaac agagcccccc     120
tggccacacg tcccagtcag cgctcagcct gggagcacag agcactgtgc tggactgtgg     180
gccacggctg cctgtagaag tggggccatc tctgtcctcc cccagctcgg gctgcgggga     240
ggggagcatc agcgtggggg agaacgtgtc agacgtggct cccacccaac catggtggcc     300
caacaccccg ggagacagtg tctctgaaga actaggtcag agtagggtgg ctggtggtca     360
ggagtgggac tgtgggacgc acagagcctg ggaggtaggc gggcagtggg gttggtggca     420
tgtgaagttc ccctcaggcc tcctcgtcag ccaggacctg ggctgctgtg ggggacatgg     480
gaggggctgc ttgagccagg gccggctcgg ctccgtaccc gccacaggca ctcggccctg     540
atgccctcgt gtccacttgt gtccacacag gccctgggag gagcggggac gctgaggacc     600
tctctccaaa ttggcctctc aactcacagg aagacacagc tgcccagagc agcccaggcc     660
gtggtgagga ggcggaggca tcggcggcgg aggctcaggg tggggagcag gcctacctgg     720
caggcctggc agggcagtac cacttggagc ggtacccgga cagttacgag tccatgtgtg     780
agtgcagcag ttgctgctgg cagggagccc tgggctggct ggttcccagc acgtgctcca     840
cctcctgtgg gttggggcgg agccctgggc tagccagttc ccagcacgtg ctccatctcc     900
tgtggatggg ggcggagccc tgggctggcc ggttcccagc acgtgcgtgc tccatctccc     960
gcagccgagc cgcccattgc tcatcttttg cgccccgtgc ttccccgggc cttcgccttc    1020
cccgtggacc cccaggtcca gtctgccgct gatgagactg ctgtgcagct gagcgagttg    1080
ctgacgctgc ccgtgctcat gaagcgctcc atcacggcac cgctggccgc ccacatctcc    1140
ttggtgaaca aggccgctgt cgactacttc ttcgtggagc tgcacctgga ggcgcactat    1200
gaggcactgc ggcacttcct gctgatggag gacggcgagt tcgcccagtc cctcagcgac    1260
ctgctctttg agaagcttgg agctgggcaa acgcccggag agctgctcaa cccgctggtg    1320
ctgaactctg tgctgagcaa ggccctgcag tgcagcctgc atggggacac cccgcacgcc    1380
tccaacctct ccctcgctct caagtacctg cccgaggtgt ttgcccccaa cgccccggat    1440
gtgctgagct ggcctggagc tcaggtacaa ggtggactgg cctctcaaca ttgtcatcac    1500
cgagggctgc ctgagcaagt acagcggcgt cttctccttc ctgctgcagc tgaagctcat    1560
gatgtgggcg ctcaaggacg tctgcttcca cctcaagcgc acagccctgc tgagccacat    1620
ggccggctct gtgcagttcc gtcagctgca gctgttcaag cacgagatgc agcatttcgt    1680
gaaggtcatc cagggctaca tcgccaacca gatcctgcac gtcacctggt gcgagttcag    1740
ggccaggttg gccaccgtgg gcgacctgga ggagatccag cgtgcgcacg cagagtacct    1800
```

```
gcacaaggcc gtcttcaggg gcctgctcac ggagaaggcg gcgcccgtca tgaacgtcat    1860
ccacagcatc ttcagcctcg tgctcaagtt ccgcagccag ctcatctccc aggcctgggg    1920
gcccctgggg ggcccgcggg gtgcagagca ccccaacttt gcactcatgc agcagtccta    1980
caacaccttc aagtactact cccactttct cttcaaagtg gtgaccaagc tggtgaaccg    2040
cggctaccag ccccacctgg aggactttct gctgcgcatc aacttcaaca actactacca    2100
ggacgcctga ggctgctctg cggggggacgt gcacaataaa ggtgttctca aaaaaaacgc    2160
ggccgcgtcg accgcggccg cgtcgac                                        2187
```


<210> 225
<211> 1424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1257)...(70)
<223> similar to gi4519617 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 225
```
tttttttttt ttgtgcttgt tttattggaa gcaagactcc cagccagctg cagggctcag      60
gggaggaggc ctggagagtt cagtcctggg tctccctctg ggccagcagg gggaaaaggg     120
gtgttaaaag agctagaacc ctcagagatg ctcctctgaa gcaggggaaa gaaaactaga     180
aaggaaaact gtcccagggc ggggagcgga ataggggccc cacatctcag actctcctac     240
cctcaagcag ttaattctca cccccctgcct tcctctgtca acggtggggg tgattccaat     300
aactcttctc agcttccata cttcaggtgc tcttcgtgaa tgctgggtgg ctttaaccct     360
tggggggtccc aaacaagttt ccagaatccc actgtccacc attctccccc aaagaaggtc     420
ccagaaaagg tgaagttccg tgtcttcacg caacacgggc ataagcagca attatcgcac     480
gaagtttccc tagggtggtc ggggatcctc tcctgccact cctgggcccc ctctcttgtc     540
gccttaaggt ccatgctacc tgtcttgagg agctgtgtcc aggttgtggg ctccggagga     600
ccgaggagtg aaaggctgga ggtacatctg aaggtggagg cgctggcgga agatcctgcc     660
ggactaggtg gcccacagtc cggagtttca ggccgtctga tcctcgtccg caacccctgg     720
ctcgggttgc gatcgcttcg cggagccttc tccagctgcg ggttcccta ggctcctctt      780
ggacgctggc gcggctggcg gggacgaggg accaggatgg ggattcgggg gctggtagcc     840
gggctgtcgc ggatccagcg cgtccttgga aagtaggatg gcgaggccgg gcacgttctt     900
aagtacgctg agactagcgg ccggctcgcc aggcgtctga ccctgcgtgg gcccaggcgg     960
gaggctctgc cacacctcgc gtacgctccg gtagcgcagc cgcgtgacct ggtgcaggcc    1020
cgccaggcgg cgcttgagga tctcggcgca cgtgacggtt ttggtggtgg cccggccgca    1080
gccgctgaag acgatggcgc gcgtggctgg ctgcgccatg ctggcggtgg cgaaggccat    1140
caggttccgg atcttgctgc cttccttgac ccgcatgtgc accgcgcccg cgccaggtc     1200
tgcgaacggg gccggagccc gggccgcctc cctcggcccc gcatccccgt ggcgcctctt    1260
cggagcgcac ttacggaagt tctccatgcg ccgtcgatcg cgggaccgcc ggtttgccat    1320
ggggcggcct cagccccggg gctgcatggc cgccggtcgc gccttgcaag ggccagcagg    1380
ggtaagggcg ccggagcagc gcagacgccg gcgggcgggc tggg                     1424
```


<210> 226
```

<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (107)...(530)
<223> similar to gi5360708 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters


<400> 226
```
ggcacgaggg tggagggagg aaatagtaaa tgagcttctt atgcttcctg catatctgat   60
ttcatcctct tccattccct ccttccttat ttttttcttc tgctagattt ctaacgaccc   120
aagtccagga tacaacattg aacagatggc aaagcgaggc aagaagctgg ttgagctgcc   180
atacactgta aaggggatgg acgtctcatt ctcagggatc ctgtctttca ttgaggatgt   240
agcccatcgg atgctggcca caggcgagtg tactcctgag gatctgtgtt tctccctgca   300
ggtaatgcag taaaaaactg ggacagaaag ttggggctga aggttttata ttgtagagca   360
gaactaatct ggggatgccc ctctaatatt ttctccttat ctgtccctga caggaaactg   420
tggttttgca atgctggtag agatcacaga gcgagccatg gcacattggt gggtccccag   480
gagggccctc attgtgggga ggagttgggg tgtatgtatt attggaaagt gttcctcttt   540
cctattctta acactatgcg tcttcctcct ggtactctaa atcattaagc gtttggagta   600
ggctt   605
```


<210> 227
<211> 822
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(824)
<223> similar to gi1196433 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters


<400> 227
```
ctcaatattg ttaatatgta attctcccta aattgatcta cagattcaat ataatcccaa   60
ttgaaatcca agcaagcttt ttttaaaaat agaaattaac aatctgattg taaaatgtat   120
gtgaaaacac aaaagaccta tgaacaaagt tggataactt acactgtgca atttcaatac   180
ttaactaaaa agctacaata atcaagacat ggaatcggcc aacatacaat catatagtcc   240
agtgggagag catatggaaa gtctacatat agacacatat ggtcaattga ttgttggcac   300
aagtgccaag ataattctat gggaaaggac aatcttttca actaatcata ctgggactat   360
tggatatcca tatagaagaa aagaacctca aaccttattt cacctataca caagattgaa   420
tccaatggat cataaaccta aatgtaaaca gtaaagcttt gtttagaaga aaacaaagaa   480
aaactcttca tgactgtggg ttaggcaaca gttttgtaga ggagacacag aaagcactaa   540
ccaactggat attatcaaac ttcaaatttt tgctcctcaa aatacaccac taagaaacta   600
aaaaggtaag ccacagactg gggaaaaata cctacactat ttgcaaaaaa taataatgac   660
aaaatatgtg aacatacaca taataaaaga agatacatgt ttggccaaat gcatgtgaaa   720
```

```
tggtggtcaa catcattagt catcagagaa atgcaaatta aagtacaatt gtatgcctcc    780
tagtagaatg gtgaaaatta gaaagactga tgattccagg tg                        822
```

```
<210> 228
<211> 1027
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(927)
<223> similar to gi1118097 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 228
tccagtctgt ggaggactca aggtaaaccc ccctccttga gagccgcaaa tcccgccccg     60
cggctgcaaa ggggctgaat ttgcccccag atgggagagg aagtggcgcc agcctccttg    120
cagactggtg ctctgtgttc tgtgggaggg accgggggtc tcccggagag gggagctgga    180
gggcgcgccc tgtggctgcc accggaggaa ggggctgact tggggaggtg agttctggaa    240
ggcaggggct ctgggtctgg caggtcgggg tcaccagagc cccaatgccc agctgcttca    300
ctccgtgtcc cccaccccctg aggatcaggt gagtgctgca cctctgttgg ctcgtgcctt    360
gcactggggt gccaagggct ggaggccctg ccgctggcct tgtcctcctt gggcctcacg    420
ccccccttcgg gggtggccgg ttctccccat cacctctctg gggcagtcac accacctgtt    480
aagcatcaag ctaccacaga ggctccggcc acctgggctc caccagccca gccccctgg     540
gctccgtgtg cgctgggcct catccccatc tatgggagga aactgaagct caggaggctg    600
tgtggcttgc ggggtctctg ggttctgggc cccactgttc cccagtgaag cccttgtggg    660
aaggttccgg gagcaggtgg tgtcctcaga gcagcctcgc ctgctgaccc cactgggaga    720
ggcgccgtgc ctcgggcccc tggtgggagc tctgctggct cctgtctgaa cctcctcgca    780
gggccaaagg ctggcttggc ctgtgtttcc cctggcccag gcctcagccc ctgcgtcgga    840
ggtggggctg tgttgggccc attgtccccc gccctgggtg gcttcctctt gcacagcctg    900
gagcctgccc tgaccacagc ccagcagctc cctgtgaaca cctctttgtc ccttcactgt    960
cagctgtttc taaacccaga cactgtttgt aatagactgg aaataaaatg ttctttcctt   1020
aaaaaaa                                                              1027
```

```
<210> 229
<211> 1419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1411)
<223> similar to gi298642 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 229
```
tgggctccct ggattccaaa gctggaagtg accctggaga ccacttcacc tgttccctgg          60
cacctggagt tgcagggaca caccctgact gcagggcaaa gggagccggc cgggcatccc         120
tcaagaccca ggggcttggt cagcccctgc ccgagtggac acatccactc ccaggcctgc         180
aggagatggg gaggttccag gcgcccagga catccgcttt ggccactgag gccgattcct         240
tagcaaatcg gttctggttt ctctcatttc tataaaaaca ccaagactga aggaagccac         300
ggtgtgtttt aataaaacag tgtctcccag ttaagtggtg ggacaaacag gaaccaccgg         360
gtggatggtc ggccgtgccc acccgcctca ggctaacctc gaggacgctg gtctgattgt         420
ccctgtgtct ctcctgggca gttctgcctg gtgtctaacc gtgggcctcc ctgctttgtt         480
cagccctccc cccacgtagg gtctggagag cccctggtg tttgtcaccc acagggctcc          540
cttcagctct gcaatccggc gacaaagcca caaccacaga cggtctccgg gacccacagg         600
ccccagctgg tgggtggtgc tggctggccc cgggctcagc tgggtgtgcc tggcctgcag         660
agctgggcac agatggctgt tctgaaggtc gggggtgtct gggccccttg ctgtcccctc         720
ggcttctaca cctgaagccg cccctgatga ggggtccttc cctggggcct ctccagactc         780
acggggctgg gtaggggggt cagacctggg ctcagaggat ggcacctcac atcaaaggga         840
cccaccttga caaccagacc cttccctccc cgtggggttt cgaggtctgg attccccaca         900
agccataatc gcaaaaggct gggtttgcct cctccgagca gccccttgaa cacgggcagt         960
gtgtccccct cctcaagagg gtgcacacgg tgatggccgg gccaggccct agcagcagca        1020
ggagttcctg ctgggacgag ggagggggtct ttgggtgagc ctggggagcc tcaactgtta        1080
gcagtcgaat cctctttcta ataaaatctc acatggaccc aacacaggag acaggagggc        1140
tgtgctgact agtgtggcgg ggccgcccgc tgtgccccca tgtccgatct cacgccacgg        1200
ggtccccctt ttcctagtta gccctcaggc agcagcccct tttggccccc atgattcacc        1260
aagcagcagg gccagggctc aggctgtctc ggagcccccg gagtgcttga gctctcctgg        1320
aagccctgcc cgtcctgccc gtcctgcccg tcagagccgc aggaggccgc gccagcaggt        1380
gagggccacg tgccgcaggt gcaggaccgg acgcgtggg                              1419
```

<210> 230
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(893)
<223> similar to gi2317934 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 230
```
ttaatccctc tactccaaga aggctacctc atctcaaact cttgaaggca gtggaggaag          60
gttcagcatt acttagcatt tgggaccttc acagccagct gcagggactt ggtggggctc         120
ccagagcttt cctccccca ccagctgaaa cccaccctgc cacacctgcc cagaaattga         180
gttactgaca attcctgtac cacaaaggga gagccctttta caagagaaag acagacatgg        240
agctgatgag gccacgagct ccgccttcct cttctcggtc tgggcctgac tcctgccagg         300
ctttccaagg gaacagtggt tcctgtatcc caaggttgtg ccctgggcac tccaagggca        360
ctggacctgt ccgggcctcc ttggtgtaga gggatctcta gccactctgg tgtgccccag         420
gctctccatc cgggagacca aaggtcttag ggtaattcct gcctccggct ctattccatg        480
gggaccctgg tgctctgcaa agcctcgtga gctgaaaccc taggtcccag ggatccaaca        540
gaccgagtct cccattccag gatgagagtc cccttgacgc atgttcactc ttctggggac        600
```
```
                                  133
```

```
cgtgcgccgc cgaccccggg ccctgggcgt tctatgacca cccctgtgag cacagggctc    660
tggacagccc aggtctcaat cccgagtgct gccaggcccc ggggccggga gcatcctgag    720
tttgccccac ggagaccccc acaagagcac cgagctctca attccagaaa cccagcgctc    780
caggcctccc attcccaggg tctccgtgta ccgaggcctc cctgccccga ggtctccggg    840
cccctgccga ggaccccagc cccgctcccg cccctgctca ccatgacgcc agcggacagg    900
cccagcggcg actccg                                                    916
```

```
        <400> 231
tttttttttt ttttgctcat gaagtggaca tgtccagcct ttattagata aagccactgg     60
gcccatctga ccaggcgagc tcagctgtaa acaagctcgc cagttagagg aagggccctc    120
aacagagcat gaccccgcaa gcctagggac tccgacatgc tgttggggct gctccccatg    180
ggtgtctcaa ctaggtaggt aaggggttgg ggtctctgca ggaccccccc gtctgggggt    240
gctccccttc ctttcctacc acagtgtgat gtttcatccg cagcccagtg gacatcgagg    300
gggtccccca agcctgcagg tccttgggcc aaggcagtgg cctcgtcccc ctgaaaacgc    360
gggtcgggtg gtttcaacaa aacctgcact catctttccc tcctcagcgc cttcccttct    420
ccagccccca caagcccagg aactctgaca atgatgctga cacggggggtc actaactgga    480
agagcagtga acaggagctg ggggctcttg ggggccatct gagctgagga cagctggctg    540
tacctccgag gccacaggca cccccaccca cccctgcgcc tgcagggaat gtgcagaatc    600
tgccagagcg gaggccagag cccgcaggca gccacggctg ttagaggaag cagatgcagc    660
ctcaccccag cccacgtctg tcaccacagc cagggcctgg caggcaatgg cacccgcgca    720
gctttgggaa agaacacttg gcctcccaaa gggttctgcc acccctgggg gccgctacag    780
ccaccaaccc tggggtcttt ccatcacttc agacactgag cagaacccag agagggttag    840
tgagctgcag gtagggctgg gacggggccc caggttccag cccagggtct cagagatcca    900
tggctggcac tgcccacagg gccaggcatg ggcggagcag ccttctcagc agcggggccc    960
agcggccaag cctctgtcac acagcaccct gtgccagcat gccccgtgct agggagatgc   1020
tttttaagcc ctctttaggg ggtatttccc gtctagtaag tgccagcagg cagacccact   1080
cttgacaggc tcctaatgtc cccgat                                        1106
```

134

<222> (806)...(324)
<223> similar to gi5918469 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 232
ttttttttt ttggaaataa acaagcttta ttttcagttt caacaggtaa ggcgatacct   60
gcttcatcgt gtgcttttac gtaaatgcca aatagcaaaa taacagctag aaaataaaca   120
gtttgtcagt ttggagatca agtactttat ctatcttgag tgttatctgt cttggaattt   180
agccaggcct aaaagtagcg gaagtatcag gaaatgctat agagagccag tctccagctg   240
caggttggtg ggcctgggca ctgaccagat tggggtggct caaagcactg agcgatgcag   300
gcgccgtttc tgcattgcct gcagcctctt ctgcctctcg gcaaagttgt tcttcggggt   360
ctgcttcagt gcgggcagga tggcacgctc cgccacaggt gggctcaggc atttcttgga   420
gaggctcttg gtggagacct tggggaaatg cgtggcttct tggtccctgg gaaagctagc   480
ttcctccggg gctgcctggg gcctctggct cccttccagg agggacttga ggtgccgcag   540
ctcttgggtc tgcaggaggt tggtattcca cagctcgcgg atgagcactt cgcactgcct   600
aagtgtggtg ggctttcgca ggggaagggg caggatcatt ggggggtgtg ccgccgcccc   660
catctgcctg ccctggtgct ggctgttccc catacaggca gctcctgcgt tagaggcctc   720
tgctttctcc tttctggcct gcccttgtac cccaggaacc ttgtccagct tgctgttgtg   780
aagtaggggc tcctcttcca ggtccgcctt ctgggagacg tcagcttttg aatcttgctt   840
gttgaaggag ccgggctggg gcctggcctt gccttgagag ttggctgcaa gtcagaccct   900
acaaggccgg tcactgcagg caccaacagt caccgcccaa gttttccagg aacagctgtg   960
tgtacccaag aagcccctgt ccctgcctca gtttcctcct ctgtaaaggg aagcctgcct   1020
tggagggttc tggggggcat caatgtggtt ctgagggtga agcccatggg tggtgcctgt   1080
gaacactcta gaacaatcaa catagtggaa gctggcccca tcttgggtaa aatgaaactg   1140
catgagaggc ttgggaccca gcctgcatgg gtttcctcgg caaggacaag gcccgtctag   1200
cacctgggcc catcacagga atggtggggg ttagggcagg gctgaggaaa atgcccggcc   1260
tcacagagtg gggaaaagag gctctctgct cccggctcac tctgcagaag gtgccatgag   1320
cccagggctc cgtgggcagt gccatccctc ctgtgtcctg cctgcttgtg gcagggacac   1380
ggccaagcag ggctgctgct gggcagccag ggtacatcct ccctagaaag ccacccgggg   1440
aggcccctcc tgcctgcttg ctgccccgcc ctggggtgcc tgc   1483

<210> 233
<211> 939
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(940)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5)...(464)
<223> similar to gi473935 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

135

<400> 233
```
ggtaaattac aacctcctca agtatatttg cagattcttg gatgaagtac agtcctactc      60
gggagttaac aaaatgagtg tgcagaactt ggcaacggtc tttggtccta atatcctgcg     120
ccccaaagtg gaagatcctt tgactatcat ggagggcact gtggtggtcc agcagttgat     180
gtcagtgatg attagcaaac atgattgcct ctttcccaaa gatgcagaac tacaaagcaa     240
gccccaagat ggagtgagca acaacaatga aattcagaag aaagccacca tggggcaggt     300
tacagaacaa ggagaacaat aacaccaagg acagccctag taggcagtgc tcctgggaca     360
agtctgagtc accccagaga agcagcatga acaatggatc ccccacagct ctatcaggca     420
gcaaaaccaa cagcccaaag aacagtgttc acaagctaga tgtgtctaga agccccctc      480
tcatggtcaa aaagaaccca gcctttaata agggtagtgg gatagttacc aatgggtcct     540
tcagcagcag taatgcagaa ggtcttgaga aaacccaaac cacccccaat gggagcctac     600
aggccagaag gagctcttca ctgaaggtat ctggtaccaa aatgggcacg cacagtgtac     660
agaatggaac ggtgcgcatg ggcattttga acagcgacac actcgggaac cccacaaatg     720
ttcgaaacat gagctggctg ccaaatggct atgtgaccct gagggataac aagcagaaag     780
aacaagctgg agagttaggc cagcacaaca gactgtccac ctatgataat gtccatcaac     840
agttctccat gatgaacctt gatgacaagc aganatttga cagtgctacc tggtccactt     900
cctcctgtga aatctccctc cctgagactc cactcctgt                          939
```

<210> 234
<211> 896
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(897)
<223> similar to gi4960163 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 234
```
aacagtgaga tccacctttta ttgaaacatc acacggcagc atcagggctc ccacacctca     60
cagggcagca ggcagttcac aggacagcag gcagttcaca gggctttggg ggcctcacag    120
ggcagcaggt ggttcacagg gcttcggggg gcctcacagg gcttcggggg gcctcacagg    180
gctgcagggg gttcacagag cttcaggggc ctcacagagc ttcaggggcc tcacaggact    240
gcaggggggc tcacagggcc ctgtatgcag ggctgctggt acaaagaaga ggcccagaga    300
accctaacac agcctggggc cccggggaag tcagggcttc cagcagggca ggtacagagg    360
cccctaggac ttggcaggag cctcagcctt ggggacagtc ccacggaaga cgctgcatcc    420
gggctcttta gcagaggcct ctaccgtcc tggtcagagg agccctcaga cagttttggg     480
aaagccagac tggggtgtcg atgccgcagt gaggactcgt cctccaagtc tgagccctgc    540
tgggctgagg tgctctggaa gtctgcgtat gcatccctgg ggacgtccag cagctcctcc    600
tcgtactccg tctggtagtc agattcgtct ggcaccgagg gtagggctgc gtcagtcccc    660
tcccaaggaa gggaccgtac ccagcatagc cacactcaga ggcagaaccg gccacagatg    720
cccacccccg cctccaaggt ggcccggggc cctacacgca gccacctggt cccagggcag    780
ccctgcacac cacccctggt tctgtctggc tccagctttg ccccagcaca tcacttcgtg    840
ggtcttccac aaggacaagg agcgggcaga cactcctccc cttgtcagcc aagcac        896
```

<210> 235
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(460)
<223> similar to gi3192950 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 235
```
agttctcgag cgcccctccc aggagctccc ctcctcagtc caggttgtag cagcggtggc      60
tgctcccagc agcaccttct ctgttcgtgc caagcagacc tacccatact gtgcactgcc     120
caggtcccgg gcctcctccg agagtgaatt ggatgatgaa ggcccctgtg gtggtgatgg     180
ggacccaggc ctgttcccct tccccatgcc ccggggtggg acccaggcct ccagcgaaga     240
gagtgaggag gaggggacat ctgacgacct ccacccaccc cctgactgcc attatgcaac     300
ccggccccca cggccacagg cgttctgcac ctttgggagc cggctggtga gcccaggatg     360
ctatgtgttt agccgccggc tggaccggtt ctgctcagca ctcagctcca tgctggaacg     420
gcacctcagc acacacatgt ggaagaagat cccaccggca gctgaacctc cagctcacct     480
tgtcaactcc ccgttatctg ctcccctgag ccccatcctc tacaggcacc tgcccccgcc     540
ttccaggtcc aaccatgaga cctgcctgcc cagcctccat gcccccctgt attgcggccg     600
ctctagagaa tccaaactgt cgt                                             623
```


<210> 236
<211> 529
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(298)
<223> similar to gi2224583 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 236
```
gcacgaggcg acttctccct caccctgcgg cgtcatcact gtcacgcctg tggcaagatc      60
gtgtgccgga actgttcgcg gaacaagtac ccgctgaagt acctgaagga caggatggcc     120
aaggtctgcg acggctgctt cggggagctg aagaagcggg gcagggctgt cccgggcctg     180
atgagagagc ggcctgtgag catgagcttc ccgctgtctt caccccgctt ctcgggcagt     240
gccttttcat ccgtcttcca gagcattaac ccctcgacct tcaagaagca gaagaaagtc     300
ccttcagccc tgacagaggt aaagcaggca gggctaccca agtgggaagt agggcatttg     360
gaaggttcat ggtcatcctg ggtagacgga gtcagaccct gccctgtccc agcctgacca     420
gtctcttcca gacagagcat tcctaatgga agcatcccag ctacgaggac cgacttgaca     480
gtgatggtgc taggcgacat ctttcccatc cttctctcta actcttccc                 529
```

```
<210> 237
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(349)
<223> similar to gi2065210 in the genepept database release 114,.
      Run with FASTXY 3.3t00, default parameters


    <400> 237
cgtgctgtac cagatgtggt ttcattgctt gagcaaatta acacacctct tggtacttgg      60
tatgcagcca ttgccttggc aaataacttt ttccccattc ctgtccataa ggcccaccag     120
aagcattttg ccttccgttg gcaaggccgg caatacactt ttactgtcat acctcagggg     180
taggacagta aactctccgg ctttaggtca taatcttatt gggaaagacc ttgatcgctt     240
ttcgtttcca caagatatca cactggtcca ttagtttaat gacattatgc tgattggatc     300
cagtgagcaa gaagtagcaa acacgctgga cttattggtg agacatttct cgtgcc         356



<210> 238
<211> 364
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(365)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (230)...(364)
<223> similar to gi2039348 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



    <400> 238
ggcacgagct taaagaggag gtagagagat tggcatagaa aatttattga aagagttaat      60
aacagaactt cccaaaccta gagaaacata tcagtattca aataaaagaa gggtatagaa     120
caccaagcag atttaaccca aataagacta cctcaaggca tttaataatc aaactcccag     180
aggtcaaaga taaagaattc taaaagcaga aagagaaaag aaacaaataa tatacaatgg     240
aactccagta catctggaag cagacttctc agtgaaaacc ttacaggcca ggggagagtg     300
gcataacata tttaaaatgc tgaagggnnn nnnnnnnnnn cttttatgct aaaatagtat     360
atcc                                                                  364
```

138

```
<210> 239
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(980)
<223> similar to gi56589 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 239
taagaggact ctaagggaat actataaaca atataagcca ataaactaaa taacctagat        60
gaaatgagca agttaaaaga cacaaactat tgcagctaac tcaggaagaa atagaaaacc       120
tgaagtataa caacgagatt gaataaataa tgaaaaactg cccacaaaga aaagtcctgg       180
cccacatggc ttcactggtt aattctacca aatgtttcaa gaagaattca caccaatact       240
ttccagactc taatagaaaa taaaagagga aggaacagtt cccaacttac tctttgaggt       300
catattatca tgataccaaa accagataaa gacatcacaa gaccagtatc tcttatgatt       360
ataggtgcaa aaatattcaa caaaatacta gcacaccaag tatagcaaca tacaaggatt       420
gtataccatg accaaatgga tttatgcaag tttggttcaa catttgaaaa tcagtttatg       480
taatacactg tgttaataga ataaaggaca aaaaccacat gatcgtttcc ataggagcaa       540
aaaagcattt gacaaaatcc aacacccttt catggtaaaa acaaaaactc aggagagaac       600
ttcctcagcc tgttaaaggg catctacaaa aacccatggc tgacatacct aatggcaaaa       660
aattgaaagc ttctaccact aagatcagga acaagacgag ttcctgatcg tttctggaag       720
tggcagtgcc attgccactt ctcttcagca tcgtattgga ggttctggct agggcagtta       780
ggcaagaaaa agaaaggcat gcaaattaga aaagtagtga aactgttcac agatgggatg       840
atcttatatg tagaaaaatc taaggaatct actataaaaa ccagtaaact aataaatagg       900
ttcaacaaag gttcagaata caaggctaat attaaaaaat gagtagtatt tctatagagt       960
agcaatcaac aaaccaaaaa ttaagaaaac aattttattt ataataggat caaaaaaaaa      1020
a                                                                      1021




<210> 240
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (138)...(368)
<223> similar to gi924 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 240
```
139

```
ggcacgagga gttctagtcc ataccctggg tggtggggcc ttctttatct acttctaaga      60
agcacccaca gggacacatg cacccggaaa gtggccaaaa gaagggcttc gacacttcat     120
ctgttttcct tccttcagta ccccaccgaa agaagaacct tccgtctaca acatttctgc     180
ctaaagaaac taccactttg aaaagccctt cctctggctt gctaggaagc tcattggaga     240
ccctaacttg gaatttggtg ccatgcctgc tctcgcccga ccaaaaaaag tcatggaccc     300
agctttggca gcacaatatg agcacgactt atagggtggt cagacacctg ctctcccgga     360
tgagga                                                                366
```

<210> 241
<211> 381
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(384)
<223> similar to gi994732 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 241
atgaggtgct aatcaataaa aaatagttaa acatttgcat gactctactc atttgggaat      60
aaattccctg tttaatatct cggcttttta tagaaaaata attacttaaa agagtaaacc     120
aggtaaccca ggcctgtgaa ctatatgcct ggaacaaccc aaatgaccaa tgtttacctc     180
ctcctttagt aaggcctgtt cagcatagag gagcataccc tggtgaagac tggcaaatag     240
actatactca gatgcccccg tgtaaagggt ttaaatattg attagtattc attgacacct     300
ttaccgtttg gattgaggct tttcctacca agtctgaaaa ggcaatcaag gtttctaaac     360
tactaaaaga aataattccg a                                               381
```

<210> 242
<211> 1065
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(1067)
<223> similar to gi600118 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 242
ctctgctgta actgcagggt cacaggcatc ccgggagaat gggcctccac cctcagccag      60
ccctcactgc tgacaggcac ccctctgtca cctcctgcca cctgtcagat acccagcctg     120
cccgccatca gccacccgag tggttccgac ctccattcac ctcaagcccc aacaggcccc     180
```

```
tgtcattcca cttcatggaa gagacggagc cttctgaaat gagatctacc ctgaaaatct    240
cttctccttc ccctttctga gaaacgtcat ccccaccagt taacgtttcc tgtacaccct    300
caccctctct cgtccatctc tgttgcctct gcacatcagc acacactgac tccacctggg    360
ctggctcctg ccgcctcttc cctacctcct ccactagccg caggaagggc ctccagcacc    420
cacaactgcc cttcctcttg atgcccctcg gcttcccccc agcctggcag cagcgtccca    480
gcgcctccac attgcccctc tcacctccca gctctccacg ccacttggct ctgcagcgac    540
ccctcctaga cgctccctgg cccctcggca cccagaatgc cacattcttg tgtttttttc    600
ctccttcttt cccaatccct ctcaaccatg tatttattta tatatgtatg tatttttttta    660
tttattattt atttattgaa acccctactt tgattgacaa aggaatcaag gtagatctga    720
ccagtattcc cctctcttct ccttgtccca ccacatggac atgccttaca ctggcgtcct    780
ctcctgagtc cctccgcact ctccatcagc aacctcacac ctgccttcag acccggctgc    840
aacttcctaa gctgcccctg ccccagctcc tctctgcaac ccagccctct cctgagctct    900
aggctgggat tacacccgct ggagggacac tcaccccatc tgctcccacg gcagcaccat    960
caactcaaca agtcagaagc caagtggatc atctgtgtcc ccttcccccca caatccctcc   1020
tttttctagt aaaagacccg tgatcccgtc agccacccag tctga                    1065
```

<210> 243
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(785)
<223> similar to gi4755085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 243
```
cggacgcgtg ggctctgaca ccctctgccc gccctgtagc tgtagtcctc ccattggcta     60
gggctctggg gtcgggcagg tttcgggtgc ccccagtggg cctcgggttc caggcagctc    120
gtgacaagcc cctgtgctct ctagaaagcc cgttttggcc tgagtgcggc tgaggacatc    180
acccccggt tcaggtgaga cccaagcagg gaggaaggac gggtgggggag gaggagggtc    240
tgccacagct ctccgcacct ctcctctccc agggcagcct gtgagcagca agctgtggct    300
ctgactctgc aggaggacag agcatccctg acgctttcag gggggccctc ggcactggcc    360
tttgacctct ccaaggtacc aggcccagag gcagccccca ggctgcgggc gctgacactg    420
ggcctggcaa aacgcgtgtg gagcctggag cggcgactgg cagctgcaga agagacagct    480
gtcagcccga ggaagagccc ccggcctgca gggcctcagc tcttcttacc agacccagat    540
ccccagagag gtggccctgg acctggagtc aggaggcggt gtccaggaga gtcgctcatc    600
aaccccgggt tcaagagtaa gaaaccagct ggtggcgtgg acttcgatga gacctgaagg    660
tgcagcacaa gcgtggcccc gcggggagtc cgcctatgag gggagaggca gtctttgagg    720
cccccatcag agacccccccg ccaccacctc cacctgcctg tcctgggcca ggactaacac    780
ggctcctcaa attccttccc tgtcaaataa acagctccct tggttggaaa aaaaaaaaa    839
```

<210> 244
<211> 440
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(436)
<223> similar to gi5734705 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 244
cccggggcga cccacgcgta cggtgcaagt acgagggctg cgtgtacagc aaggctacca   60
accacttcca ctgcatccgc gccggctgcg gcttcacctt cacctccacc agccagatga   120
cctctcacaa gcgcaagcat gagcgccggc acatccgctc ctcgggcgcg ctggggctgc   180
cgccctcgct gctgggcgcc aaggacacgg agcacgagga gtccagcaac gacgaccttg   240
ttgacttctc cgccctgagc agcaagaact ccagcctgag cgcctcccct accagccagc   300
agtcctctgc gtccctggct gccgccactg ccgccaccga ggctgggccc agtgccacca   360
aacctcccaa cagcaagatc tcgggctgc tgccccaggg cctgcctggc tcgatccccc   420
tggccctggc cctctccaag   440

<210> 245
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(760)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (22)...(710)
<223> similar to gi1118091 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 245
aaatggaccg gcccagaaat cagtccaaat accagtggct ccagcccagt cattcatttt   60
actccctctg atttggaggt gagacggtct tcaaaagaga actgtgccaa aaacctcttt   120
tccacacgtg ggaaaccaaa ctttactcga cacccatctc ttatcaaatt ggtaaagagt   180
atagaaagtg atcggagaaa gataaattct gcgcccagta gccctatcaa gaccaacaaa   240
gctgagagtt ctcagaattc tgcacccttc ccaagtaaaa tggctcagct cgcagctatt   300
tgtaaaatgc agttagaaga gcaatcaagt gaatccagac agaaagtgaa agtacagctg   360
gcaagatctg gaccctgcaa accagtagcc cctctggacc ccccagtgaa tgctgagatg   420
gagctgacag caccgtccct catccagccc ctgggaatgg ttcccctgat ccccagcccc   480
ttgtcatcag cagtgcccct gatcctacct caggccctt caggcccatc ctatgccatc   540
tacctgcagc ccactcaagc ccaccaaagt gtgaccccac cccaaggcct gagcccaacg   600
gtgtgcacca cccactcttc taaagctact ggctcaaaag actccacaga tgccaccact   660
gagaaggcag ccaatgatac ctcaaaggcc agtgcctcta ccaggcctgg aagcttgctg   720

142

<210> 246
<211> 1467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(1462)
<223> similar to gi2351568 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 246

```
cccacgcgtc cgcccacgcg tccggatgct tggttcccgg agcttggaag atgatatcag     60
ccttgcacat tcagtgtatg cgacctcact gcagagtgat gtgaattaca agaaaggctt    120
tgaacactca aaggcgcagt tccatctgcc gttggacatg gccgccctgg tgcatgccaa    180
gaaggctcag accctggcca gcaatcagga ctacaaacat ccactgcccc agtacacttc    240
cttggcagaa gacctgaggc tgagctgtgc caagaaagct cacaaattgc agagtgagaa    300
tttgtaccgg tcagacctga actttatgcg aggtgttgca tgtgtcgttc caggcacgtt    360
agagatcgaa gggaggaaga aagcatcgga actcatcagt gagagtaaat atcggcagca    420
tccccactca ttcaagtaca cagctgtgac agacactccc aacctccttc atgcgaaatt    480
cagcaaccag ataacgaatg agcgcctcta taaagcagct ggagaggatg caagacacga    540
gtatacaatg accctgggtc tgcccgagtt catccgagca aaaacgaatg cagccaacct    600
gagtgacgca agatacaaag agtcctggcg taatcttcgt gctcaaggct acaagctgac    660
aatagaagcg ctccccttcc aggctgcccg ggcctctgga gatatagcca gtgattttct    720
ctacagacat gactttgtga aggagcgagg gaaactcata gggccccaga gtgtaagaga    780
cgacccccgg atccagcact gccggcgcat gggccagctg cagagcgagc ttcagtacag    840
gagggggggcg accagcagcc aagcccagtt ccatctgccc atggacatgg tgcacctggt    900
ccatgccaag aatgcccagg ctctggccag cgaccacgac tacaggacac agtatcacaa    960
gttcacagca ctgcccgagg acctgaagat ggcctgggcc aagaaagccc atgccctgca   1020
gagtgagttg cgctacaagt cagacctgat cggcatgaag ggcataggat ggctggcgct   1080
gagatcccca cagatggaga gtgcaaagaa ggctggagaa ctcatcagcg agaccaagta   1140
ccgtaaaaaa ccagacagta tcaagttcac cacagtggtt gactccccag acctggttca   1200
tgccaagaac agctatatgc actgcaatga gcgcatgtat agatctggag atgcagaatc   1260
cctgcacaga tacaccctga tccccgacca tcccgatttc acccgagctc gcctcaatgc   1320
gctgcatctg agtgacaaag tctacagaaa ctcctgggag cagacccggg ctggcagtta   1380
tgacttcagg ctggatgcca tcccccttcc agacttgccc gggcatctta gggaattgcc   1440
agtgatttcc ggtacaaaga gctttct                                       1467
```


<210> 247
<211> 2024
<212> DNA
<213> Homo sapiens

<220>

<220>
<221> misc_feature
<222> (218)...(1606)
<223> similar to gi3980411 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 247
ggagaagtac gtggaggaac ttgcagcagg gaggcttacc cttcagacag acctggagac   60
atccattcgg cggattgccg acctgcaggc tgccttggaa gaagtggcat ccagtgacag   120
tgatactgag agtgtccaga cggcagtgga ttgtggcagc agcggccgaa aagagatgga   180
taacgtctcc atcctcagct cccagccaga gggcagcctg cagtcctggt tgagctgtac   240
tctgtccctg gccacagata ctatgaggac tccttctcga cagtcagcca ccagcagccg   300
catcctcagc cccaggataa acgaagaggc tggggacact gagaggaccc agtcggcatt   360
ggcactgagc agagcccggt ccaccaatgt ccacagcaag acctcaggag acaagcctgt   420
ttctccccac tttgtccgcc ggcaaaagta ctgtcatttt ggggacggcg aagtgcttgc   480
cgtccataga aagtccacag agagattaga acctgcttcc tctcccctgg cttctcggag   540
tacaaataca tccccgctgt cgagggaaaa gctgcccagt ccttcagcgg ccctctcgga   600
gttcgtggaa gggctccgga ggaagagagc ccaaagaggc caggggtcca cgctgggcct   660
ataggactgg cccactctcc ccatttacca gacgactggg gcctccacac taaggagggg   720
cagggctggc agtgacgagg gaaacctctc gctgagggtt ggggcaaagt caccccctgga   780
aatcgaaggg gccgctggtg gtctcttgag gtccaccagc ctcaaatgca tctcttcaga   840
cggtgttggg ggcacaaccc tactccccga aaagtcgaaa acccaattca gttcctgcga   900
gtccctctta gaatccagac cgagcatggg gagaaaactg agctctccga ccacacccag   960
ggacatgctg ttgtcgccca cactgcgtcc tcggaggcgg tgtctggagt cctctgtgga   1020
cgatgcgggc tgtccagacc ttggaaagga gccgcttgtt ttccagaacc gccagtttgc   1080
ccacctgatg gaggaacctc taggcagtga cccattcagc tggaaactcc caagcctcga   1140
ctacgaacgc aagaccaaag tggacttcga tgacttcctc ccagctatcc ggaagcccca   1200
gacacctacc tccttggctg gatcagccaa aggtgggcaa gacggttcac agcgttcaag   1260
catccacttt gaaacggaag aggctaaccg ttcctttctc tcggggatca agaccatttt   1320
gaagaagagc ccggagccca aggaggatcc cgctcacctg tctgactcgt cctcatcctc   1380
cagctccatc gtgtccttca aaagtgctga cagcatcaaa agtcgaccag gaatcccacg   1440
acttgcgggt gacggtggcg agcgaacgtc ccccgagcgg agagagccag ggacggggag   1500
gaaagacgac gatgttgcga gcataatgaa gaaatacctc cagaagtagg aaccagttca   1560
gcctccttga agctgccctt gaagacttcc cgactctaca ataacttgga gacagagaga   1620
ctggccaggc ctccccggtg gccagagcca gccagcatgg ccaccctcaa gaggcgagat   1680
gagcccacag aggcatatcc tgcggggatg ctgggctccc agtgtggttg gcctgaacaa   1740
aataaagtgt tgactcctgg gcatctgtgc cttctctatg gccttgctac ctgggattcc   1800
agagagttga tggggtgcag ataggggtag gactgttaga atagaaccaa cccaaactgt   1860
gtgtagtttg gggtgtatac ttctatttct cttcctacat gtctacatgc catgaccttc   1920
ctcctcctct tcacttggcc agtttcagct cacttcctcc aggaagtctt tcctgatata   1980
tcaaactgaa acaaatgctc ctcctccatg ctcccttaat cccc   2024

<210> 248
<211> 751
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(713)
<223> similar to gi62223 in the genepept database release 114,

144

Run with FASTXY 3.3t00, default parameters


```
        <400> 248
cccctccacc tggagttggc catgatccac tgactgtgac ctgtgctctc cagggatacc      60
ctgtggcggt cccagctctg catgcctgcc atcgcctgca gcacacacct ctgagttccg     120
tttgggagac ccctgaggac gcccagtgcc cacatctgca tggacccgat gtgctgagct     180
ggctccggaa agaagtctcc cccgccggca tgctgctcat cgatcgcctc ctgacccaca     240
ctgttcctac aaaggcacca ggattctgac cctcaggtga gagctccagg tgcctttggg     300
tctccgcttt gaggacctgt gacgcccgct catctgtctc cctgccgtgc cctccaccgg     360
cccagcctac ccttgctgac ttgtcttcca catgtgccta aagtgggccc tgctctgttc     420
ctcctctgtg ggccttgggg actgtctcac tgccttccca gaggacttcc agtagaaaca     480
gcccccagga agctcccagt cagtgtcccg ctcctgcggc ctggagccca gctcgagtca     540
ggctctccca caccctcctc tttcatcacc tccccggccc atgccactct cagggaggct     600
tcatcctggt ccccatccct gtgtccagct ctccagtcta cacctgtact tccgcaggcc     660
cctgctcttc actggtgggt gtgggagggc ccctctgacc gaactttcat ttaaatgcta     720
cttctgtcat ctggaaatac agttttctcg a                                    751
```


```
        <210> 249
        <211> 684
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (5)...(684)
        <223> similar to gi2981631 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```


```
        <400> 249
tgtagataca gagtagctaa ttctaaaatt catatggaag gcaaagaaac taaattagcc      60
aaaacaattt tgaaaaagat ttcaaaaaaa ttttgaagga atcatgctgc ccagttttaa     120
gacttactat aaagctgtga taatcaaggc aatctggtat ttatgaaagg ataaacacat     180
agatcaatgg aataaagtcc aaaaccagac tcacataaat agcaattgat ttctgacaaa     240
ggtgaaaaga caactcaatg gggaatggag agtttttcaa cagatgattt taaaacaact     300
gaacatccat atgcaaaaaa ataaacctac ctaaatttca cagcttatac aaaaattaac     360
ctaaaatgga tcacggatct aaatgtagaa ctaaatttat aaaattttta gaagaaaaaa     420
atccataggc cgggcacggt ggctcatgcc tgtaatccca gcacttcaga ggctgaggcg     480
ggcagatccg ttgaggtcag ttcaagacca gcctagccta tgtggtgaaa tcccaactct     540
actaaaaata aaaaataaaa aaaaatgggg ctgggagtgg tggtgcacac ctgtagtccc     600
agctacttgg gagactgaag cacaagaatc acttgaaccc agcaggcaga ggttgcagtg     660
agtggagatt gtgccactgc accc                                            684
```


```
        <210> 250
```


145

<211> 666
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(632)
<223> similar to gi2462837 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 250
```
ctgaacttgg ccctgtgttt aagcagcagg agccaatcca gattttgtta attttcctac    60
aaaaaatgga tttgctacta accaaaaccc ctcctgatga gataaagaac agtgttctac   120
ccatggttta cagagcacta gaagctcctt ccattcagat ccaggagctc tgtctaaaca   180
tcattccaac ctttgcaaat cttatagact acccatccat gaaaaacgct ttgataccaa   240
gaattaaaaa tgcttgtcta caaacatctt cccttgcggt tcgtgtaaat tcattagtgt   300
gcttaggaaa gattttggaa tacttggata agtggtttgt acttgatgat atcctaccct   360
tcttacaaca aattccatcc aaggaacctg cggtcctcat gggaatttta ggaaactgag   420
gctcagagag gtaaaataag tgattcaaga tcatataagt ggtatttaca aatgtacttt   480
tactcataag aagttgggaa tcaccaaaga gcagctggcc ggaaaagtgt tgcctcatct   540
tattcccctg agtattgaaa acaatcttaa tcttaatcag ttcaattctt tcatttccgt   600
cataaaagaa atgcttaata gattggagtc tgaacataag actaaactgg agcaacttca   660
tataat                                                                666
```

<210> 251
<211> 845
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(847)
<223> similar to gi4240130 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 251
```
cattttggga ttgccatttt aggagatcct caagttttgc tattggatga accgactgct    60
ggattggatc ctctttcaag gcaccgaata tggaatctcc tgaaagaggg gaaatcagac   120
agagtaattc tcttcagcac ccagtttata gatgaggctg acattctggc ggacaggaag   180
gtgttcatat ccaatgggaa gctgaagtgt gcaggctctt ctctgttcct taagaagaaa   240
tggggcatag gcctaccatt taagttttgc atcctgaatg aaaggtgtga tccagaagag   300
tataacatca ctggtttaag caggcaccat ctctgatgcc caaaatttga ccagccccaa   360
agtgaagaaa aaccttgtat ataattttgc cttttggaaa ggaccaaaca aatttccaga   420
actttacagg gatcttgata gatgttctaa ccaaggcatt gaggattatg gtgtttccat   480
aacaactttg aatgaggtgt ttctgaaatt agaaggaaaa tcaactattg atgaatcaga   540
tattggaatt tggggacaat tacaaactga tggggcaaaa gatataggaa gccttgttga   600
gctggaacaa gttttgtctt ccttccacga aacaaggaaa acaatcagtg gcgtggcgct   660
```

```
ctggaggcag caggtctgtg caatagcaaa agttcgcttc ctaaagttaa agaaagaaag        720
aaaaagcctg tggactatat tattgctttt tggtattagc tttatccctc aacttttgga        780
acatctattc tacgagtcat atcagaaaag ttacccgtgg gaactgtctc caaatacata        840
cttcc                                                                    845


        <210> 252
        <211> 1254
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (705)...(261)
        <223> similar to gi5918469 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 252
tttttttttt ttgtatattt taacaatgtt tattattcat ttatccctct atagaaccac         60
cacccacacc gaggagatta tttggagtgg gtcccaccgt agggccggag ctatgaaatc        120
tatctcccca cttccctcac catgtgcatt aggtgtgggc atggttcagt cagaattggt        180
tttttttttt caagagcacg ccccctgggc ctttattcac caggaccttc tggaaccctc        240
catggcccca caccaagcac ggccccggcg cccaagctcg gccacctgca gtctcctggg        300
gtggggctgt cggatttatg gcatgctttc tgggttctca ttgctgagcc aatcccaaag        360
tagggaagg ggctggattc atcacccgcc cctcggcttt cgagctccag acaagggccg        420
tcgctgggga ggcgtctgtg ctctcccggg ctcctgcagc tccagagggt tcgggctctg        480
aagcaggtga gggtgttgct aggctgctgt ttcctactgg ctgccgcccc gctcctgctt        540
gtacagtctc tgctcccgga tggcttgttc caacaagggc aggttcatcc cctccacaca        600
ggtcagcacg cgcgccttca ccacggagcc tctgtcctgc tgatgctgga gctccccgag        660
gacgatgtac agggagccca cctgggcgtg gaagggctcc accaacttgg tacagacaag        720
aacctggtgc tgatcggatc cgtgctgagc catcagtgtt actctggact gaatcatgtc        780
atagaggcac aacctgccaa atgttctcag cgtgctccca tcaggaactt ggcctgcact        840
aacctcccag gggaggtaat aggtcccagg tttgggcagc atcatgggct cctgttctag        900
gcgtcgccgg tcctcggatt tcttctttcc gcctcgcgtg gtcacgtgac ggggagggg        960
cgggatacaa aaagtgcttt attttcccac tccccggacg cccagcaggg cagtttcttg       1020
accttcggag cccctttccc gaggatccgc tcgggagcct cccctggcca ggagcagggg       1080
attagtctgc cccgcgaccg gccccagcca cgacgcggac atcgcccccct ctgtctgggc       1140
cgctgtcact tttcatctac tatgatgtga tattttaaat gaaaactttg gaattcgagt       1200
aatgttagat atcctgtagg cacttgaaat tataacttct tttgtagaag aaac            1254


        <210> 253
        <211> 650
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
```

<400> 253
```
gaattctgct tatgcaccaa tttgcagctc ctgcaaccat gatgcagcct cacccggacc        60
tttcaacatt ttccctttca cctaaaactg tattttctc tgctaagacc ggctacccta       120
ctttcatttt cctttcactc ttcttggctc ttttgggcct tttaggaatt tgggatgatt       180
caggctctga caggcatggt actagattta ttttaggctg ctcttttgct gttgtccaac       240
aggccaagga gagatttaaa tgatttatcc aatatttgct aaatagtcat gtgtttcatt       300
tatcccatat atagttcagc cttaatattg tttttgtttt gatttgttac actagtgcat       360
acatagagac gtgaagccag aaaatatcct catcacgaaa cattccgtga ttaagctttg       420
tgactttgga tttgctcggc ttttgactgg accgagtgac tactatacag actacgtggc       480
taccaggtgg taccgctccc ctgagctgcn ggtgggggac acgcagtacc ggcccccgg        540
tgggatgttt ggggcaattg gctgtgtctn tgctgagctn gctgtcaggg aagtgcctct       600
ggtggccagg aaaatcggaa tgttggatca gctgtatctg attaggaaga                 650
```

<210> 254
<211> 1273
<212> DNA
<213> Homo sapiens

<400> 254
```
aacgtaggac ctgctacgcc agcttggcac gagggtaatg aatgtggaca aacctttggt        60
cacactttt ccccttaataa gcatcagagg actcattctg gagaaaagcc ctatgaatgc       120
cgggaatgtg ggagaacctt cagccagagc tcatcactca ttgtgcatta cagatttcat       180
actggagaga aaccttacaa atgtaataaa tgtgggagag ccttcagcca gagttcatct       240
ctcactcaac attacagatt tcacactgga gagaaaccct acaaatgtaa tgagtgtgga       300
agggcctttg ctcatactgc atcccttatt aaacatcaga gaagtcatgc tggaaaaaaa       360
accctataaa ttcagtgaat atagaagggc tttcagctgg agtgcagaca tcactggaac       420
ttaaagaatt catatcagag agagatccta aaggtgtaat gtatgtggga agaccacatc       480
ttgttccaca tcaggcaata attactaaag agaatccctg tcaatgtcaa gagggggtgg       540
gcttcccctc tcttaccaaa catgggagaa tccatactag tgagaaacca cgtgaatgta       600
atgaatgtgg gaacgctttg atcagaggat gcatattatt cagcatcaga cagccgacac       660
tggggaggag ccttatcaat gcagtgagtg tggcaagcct tcagttacat actgattctt       720
taagaaaatc agataacttg tactggagag aaatcctaca agtgtggtaa gtatggaaaa       780
```

148

```
atcttcagtt gtatctcttc ctttactaag catcaagaac acatactaga gagaggccct    840
atgaaagcag gaaatagagg aaggccttca gtcagggctc atcccttatt aagcatcaga    900
aaattcatac ctgagaaaaa cctgtgaatg tgggtaatgt gggagagcct tcagccaaac    960
ctcattgctt tataaacccc ttagaactct ccctactagc tggaaactct ggtgacgtga   1020
tgaatgtggg aagggctttg gtggatgttc caccaaaaca cgttagagaa tttgtacatt   1080
agagaatttg tgctagagca actcttcaaa tttagtgaaa ctgggaaaac ccattagtag   1140
agttcaagct tcagtattca tctcaaagag aaaccttggg aacatgatga atgtggagga   1200
aagttccttt accaacttgg agatgtataa aactagagct gaaaagaagc tgagaaatcc   1260
tataaaaaaa aaa                                                      1273
```

<210> 255
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (69)...(376)
<223> similar to gi5102812 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
    <400> 255
ggccgcatcg ggccccgagc gcgtgtccga gcggcttaaa ggggccgtgc tgctgccttc     60
gggtaccgct gccccgggag accccccggcg gcccggccct gcggggaccg ggcgggatgg    120
ggaccggggc agtggaccct cggagttggg atggggcggg gggaacgcgg gcgtggagcc    180
ctccggggac agggcttggt gtcctcagaa gcctccagaa cgtccatgga acccgcccct    240
gcgcccaccg cctcctgctg tctttccagc tgagttccgg ctgcccctca ccctcggctt    300
cttcactctg cctctcccca gccagcgccc tgctccccgg tcctcaacca ccacctttca    360
cctgcctggg ccttcatcgc                                                380
```

<210> 256
<211> 2262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2223)...(97)
<223> similar to gi5739387 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
    <400> 256
cctgccactg aggcaggtgc ggccccagga ccatcaccag gaatgcgagc ccaccctgga     60
```

```
ccagaggtag gagcccaagg tccggcccct tgctctttga ttgtgggcag cctcctgccc    120
tctctgggtc tcagttgccc catctgcaga gcgaggaggc ccgggctggt tggtcttgaa    180
ggcccttttc catgccgaca tcatgtcact ctaggcctgg ggttcagttt cctgtggctg    240
gtgatgctgt ggttaagttt gcttgacccc agcagcccga gggactgtct gagtcacagc    300
acagcccta ttgcgtggct gctggtgtgt ggggtcagtt ccagcagatg aatgtgtcat    360
gtggcacacc ttgtcccttc ccgcagcatt tcctggttcc ccccagaccc ttgagcgctc    420
tttgggaccc agaaggagtc cttgcacagg gaaggcttga ggtgagaagc cgcttcccag    480
actgtcaggg ccaggcctgg gtctagaatt cttgctgctg ctttgcagag tcaacagccc    540
atcagcccat gttttagagg ggacactttg gtcctcggtt cccaccctca gcaagcaggc    600
ctccagcccg aggaaggcct ctgccgtggt gacgttgccg tgtggggctg cgtggctgtt    660
ccccttggct ggagcattca gccaacccca gcgtccccc tgaggcgttc attggcagcc    720
ccctaggact gcacgctggc cccacggtaa ccccccctcc cccaccaaca tcctgcaggg    780
atggggtcag tggttccacc ttcacaggcc actttgaagg gtggattctt tgaggcccct    840
gccagtcggc tccctgctca gctgctggcc cgggcgacct gggactcagc accaacggct    900
gaagtttctc agctgggctc tgacctgggg tctggggcag ggaacgaaca tggtggcttt    960
gggctgagag gatgagggag gtctttccca ggtcaaatta ctttcctttg gcctctgcct   1020
gaggctcgat ttgcctctct ggtccaatgg gactgacact gttgtacaac ctgacctgtg   1080
gctgagggtg tctgggctta agcatgtgga ccccttcggt gtgtctggcc ttcctccatc   1140
gtcctgccct ttggcctttt ggtttgaagc cacaggtgtg gcttctggcc ttagcagatg   1200
gtatgcttgc ggaccgcagc ccagcatgcc ggtgggccca cagcccgagc cagcccagag   1260
ctgccggaag ggccgccctt cccggccctg gcggggtgct ggacactggc cattttcact   1320
agagtttgcc tggcagggac cgatctctgc cccctcctct ccccaggcct ctggctgcag   1380
tgatgccgca gaatcctgag ccaggtgcct cctgagcagc ccgtgcgcct ctccacagcg   1440
gcgtttgcca cccaatgcgg ctcgcttcag atgctctgat gcagagggca tgcccatagt   1500
ccctctgcag agcctcgcac tggggccagg gcaggcacca gccccaggcg gccagtcggc   1560
cacggcctgt cctcttcctc gtagcgtctg ctcctcactt tgtgttgatg gtgacttagg   1620
agaatgttcc gatttttccat gatctaagca ggccacgttt aaaataacat caaggcaagc   1680
gtacgtgtca ccctctgtac tgacatctcc tcccctgaaa tgcttttcag tttgacagcc   1740
cgtttcctag acaagtgcac ctggggtttc aggaacttt g tgttttttcg gaggggggttg   1800
gtggggaggt cgggatgcct gggatccctt cctggagagg caggctgtct ctggaaaaag   1860
cctccattgc ccacccgcca ggcggaaagt caccctgttc ccagcgcggt ttcagcattt   1920
aattttaagg gagctaagga agcgcggcgc gcccctggt ggtggtaagc cgccaacgca   1980
cctgggggct gcaaccccac cggacgggtg gtccggaggg aggctggagc ggggaggcga   2040
ggaggggct gtgagtcctc agaggccctg ggccaccaca tttctggcag cgtttcccag   2100
acacccctct gctaggccat ccctggatag caagtgaatt aacttaaggg cactgtgatg   2160
ggaagccttg cccccctctt ttttttttttt ttttaaaaat ggggg aaaaa accccagggg   2220
ttaatttttg aatgaataaa aggttttttgt tgaaaaaaaa aa                      2262
```

<210> 257
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(671)
<223> similar to gi2072951 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 257

```
tctcctgacc tcatgatctg cccgcctcag cctcccaaag tgctggggct acaggcgtga     60
gccaccgtgc tcggccaaaa gagcacactt ctaaataacc catgtgtcac agataatttc    120
ttaaatggaa tcgagaaata gttaagctga atgaaaatat aattccaata taggaaaatg    180
taagctggag ctcaaacagt gctgagttta gcttataaaa ctaaatgctt atgttagaat    240
aaagtctcta atgataatct aagctcccac ctcaagaaac tacaaacagc aatatacaac    300
caaaacaagt agaaaaagaa aataataatg atcagaatag aaatcaaagt cagaacacat    360
agaaaatcaa tgacacagaa agctggttct ttgaaatagt caataaaatt tataaacatc    420
taagaagatt aacaaagata aagaagacac acataaccac tattaggaat aaaacaaagg    480
atacaactat agaaccttct gtcatgaagg gaataataag ggaatacttc aaataaataa    540
ctccacaaat ttaagttaca aaacttagat gaaatggaac aattcctcaa aaataataat    600
ctatcaaaac ccacccaata tgaaatactt tgagtaccta ttaagttgaa tgactacata    660
attcaaatct tccacaagag aa                                              682
```

```
<400> 258
cccccataa ccatgctaga agaaacatct atataaggtg tccccactgt acacatacta     60
cttaggaaac ccagacccat ccagcccagc aacaattcca agtctttcag tcattctta    120
aacatataaa ccagaagtta ccagaacctc ctcctttagc aaaaacagaa aaaacctatt    180
tgctcagctg gctgaaaaca ttgctagctg cctagatgtt tcttcatgtt atgtttataa    240
aaaggctaac ataagagacc aatggccttg agaagcaaaa gagttaatgc ctcaagataa    300
ctttaactag ctctttcccc aaacagatgc cacaagttca agcatctggc tcttaaaact    360
tctattatta aaaaatacca tgttactcac taggaaaaag cttttaagac acagtaaaaa    420
gaactaacct gcttaaggca tgacaaagtt ggtacatgtg catatacagg tttaacacag    480
gtctgatcct aggtgttcat ttagaacata gtttccagct gtaagaaaat tt           532
```

<400> 259

```
tgtattagta cttttccaat gaagtctctt aatttataaa gttatttaag agttttatgc     60
atcagtatag gtatatgtat cttctatgga aataaaatac tcccttttcc tcatatttac    120
ttctaatttt tatgtagtgt tttcaacttt agcacttaaa tttatgaagc attgatctta    180
ttcttcaaat agaacactta attttcttgg tttgtataat ttaccaattc agatcatttc    240
aattttccaa actcttgtga caaatgttta tataaaaacg aagtcagttt ttaatctgtg    300
tctaggttga aagtcatggg gttggccctt tctttaaata tgtgaaatgg cttttcaatt    360
aacagtttaa ctttatttgt aagacagtac tatggtattg accataaagt attttttgctt   420
tgagtttaat aaggactcaa aagagtgaag catttatggc agattcttgt tatctcgttt    480
tcttttttag gcctgatcaa ccccgtataa ccaaagatgt aatttgtttt catgctgaag    540
atttcttaga agtagttcaa cgaatgcagt tagatttaca tgaacctcca ctgtcccagg    600
tatttttaat acacttactg tctttggttt agtttttatt atgaagagag ttatttgtat    660
ttcttgtttt attattttttt agtgtgtcca atgggttgat gatgcaaaac tgaatcaact   720
gaggag                                                              726
```

<210> 260
<211> 1394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (954)...(1371)
<223> similar to gi3877428 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 260

```
tcatggtcat cagttctagt catggatatt tgaaattgga caaccacaag tctgagagat     60
ttgaaatttc aggctatgtg gcaacgtctt tggtacattt caaaggtctg actaaatcag    120
tctttgggtg gcttgaaaat tgaggcaaga tcacacactg tgtggtttgt ggagaccggc    180
agtgtttgtg catccctgat atcctttgtg ttgtaattta tcacccttttt gtgtttcaca   240
gatctggctt tgattggctg atgagtgtct ttgtgatcag ttaaaagtgg tagaatgtat    300
gtacgtggac ttgcctaaat aataacttta ggagaagaca atctgaaaca tttgtgacct   360
tgcacagatc agcaacagac ttttaaaaat aaattatttt tattttaagg tttcataata    420
gtaattacat tcttaacttt gtatgtcagg atgaagaaga gaaggatgat ggtgaagcta   480
aagaaatttc tacacctacc cattggtcta aacttgatcc aaagacaatg aaggtaaatg    540
acctccgaaa agaattaaaa agtcgagctc ttagttccaa aggattaaaa tcccagttaa   600
tagcccgatt gacaaaacag cttaaggtag aggaccaaaa agaagaacag aaggagttag    660
agaaatctga aaagaagag gatgaggatg atgataggaa atctgaagac gataaagagg    720
aagaagaaag gaaacgtcaa gaggaaatag aacgccagcg tcgagaaaga agatatattt   780
tgcctgatga accggccatc attgtacatc caaattgggc tgcaaaaagt ggcaagtttg    840
attgtagcat catgtctttg agtgtcctat tggactacag attagaggat aataaagaac    900
attcatttga ggtttcattg tttgcggaac ttttcaacga aatgcttcaa agagatttttg   960
gtgtccgtat atacaaatca ttactgtctc ttcctgagaa agaggacaaa aaagaaaagg   1020
ataaaaaaag caaaaaagat gagagaaaag ataaaaaaga agaagagat gatgaaactg   1080
atgaaccaaa acccaaacgg agaaaatcag gcgatgataa agataaaaaa gaagatagag   1140
atgaaaggaa gaaagaagat aaaagaaaag atgattctaa agatgatgat gaaactgaag   1200
```

152

```
aagataacaa tcaagatgaa tatgacccta tggaagcaga agaagctgag gatgaagaag    1260
atggtaaatg acctccgaaa agaattagaa agtcgagctc ttagttccaa aggattaaaa    1320
tcccagttaa tagcccgatt gacaaaacag cttaaagtag aggaacaaaa agaagaacag    1380
aaggagttag agat                                                      1394
```

<210> 261
<211> 1488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (866)...(1462)
<223> similar to gi332612 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 261
```
tttttttttt aggaacacat tgcattttat tacgtgtctt gcacctgctg acaacctcaa      60
gacaaaccga ggctttcctt ttcaacatct gcaagcagct gggagcgtgg ctacttcggt     120
gggagctgtc tgaggtgctg aaaccttctc ttggcttagc gcaggagaaa tctccatcac     180
tcttgccttt tcagtcctga tcccaaggct ggtggcttta tcgctgttct ctggcttgtc     240
agggaagact gttccaaggt acagaaacag cttcgctgcc ttggtcacta agatgatggc     300
aagcagcata cctttataat ccttaggact ttgtacctgt tgtccttctg tctggaggac     360
tgtgggtatg aggtgttcaa gaagaaagct caaatcttcc gacggcaggt accttgcgtg     420
ggatttacaa tacgacaggg gtccgaacgc agctcaggaa cagaaagaaa gcaggttatt     480
tgcaatctac cggagcttaa gggcagaagg cagggcccgt gggaccaata tgccaggggg     540
atttccactt tctgccatat atgtagtcac atcacccact ctgccttgga atattattaa     600
ggaccatcta acacgagggt gtatacgtcc tgcaatacta cgagtaatat caacttcttg     660
gcctctgaat atgaggaaga atatcacagg gctgggtgaa cacagccggc aatgctgaaa     720
ttattatcaa cctctccca tcttcccctc ctggctctta ggaccccat cgcagagggg      780
ggaggcaccc cccgcgaggc agggactgag agccagaccc tcatcccccc ctggcttagg     840
acccccatc gttgctccta agatccttag gacccacctg gaggactgtg ggtattaggt      900
gtccaagtag agagttcaaa tcttctgacg gcaggtacct tatgtgggat ttacgatccg     960
acgggtccga acgcagctcg ggaacagaaa gaaagcaggt tatttgcaat ctaccggaaa    1020
ttaagggcag aaggcaggtg agagaattct taggagctgt ggggttttgt agactgtgga    1080
tcccaaactg cagtattagc cgagcctttg tatgaggtca caagggggc ggggacccgg     1140
aacttttgaa atggggatcc caacaacagc aagtttttca tgagttacaa gaaaatcttc    1200
tggcagcccc agccctgggg ctacccgatc tgacaaagcc ttttccattg tatgcgtcag    1260
agagagaaaa gatggcagct ggacttttaa cccaaactgt ggggccctgg ctgaggccgg    1320
tagcctacgt ctctaaacaa ctagacaggg ttgctaaagg atggcccccc tattagaggg    1380
ccttggcagc aactgccctg ctagtacaag aagcaaataa gctgattctt cgggcaaaac    1440
ctgaacataa aggcccccca ttttgtgatg gctgagatcc atcccctc                1488
```

<210> 262
<211> 1311
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (543)...(1311)
<223> similar to gi3043684 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 262
ctatcagcca cataccacat agggaggcca cagatgggcc gtggtgggtg gaggtagcct   60
ttgcaccatg ttgagcagag acggctggct ctcctcaggg ctccggctgg aaggtgtata   120
ccggaaaggg ggcgctcgtg cccgcagcct gagactcctg gctgagttcc gtcgggatgc   180
ccggtcggtg aagctccgac caggggagca ctttgtggag gatgtcactg acacactcaa   240
acgcttcttt cgtgagctcg atgaccctgt gacctctgca cggttgctgc ctcgctggag   300
ggaggctgct ggtattccta agatccctga gagccaaggc ccaaccagga tctctgcctt   360
cccccaccag aatccatggt ttggcagccc tccgccccat cacttcccac cctgggggat   420
catccagaga cttggctcag ggggaggtgg gaaggggcca gagacacatc catcctgcat   480
ttgtgcctaa aaatccctcc ctctgtacca gctgccactc tttcttcccg ggtcctcccc   540
aaccctcctc cattccatcc ccagagctgc cccagaagaa tcagcgcctg gagaaatata   600
aagatgtgat tggctgcctg ccgcgggtca cccgccgcac actggccacc ctcattgggc   660
atctctatcg ggtgcagaaa tgtgcggctc taaaccagat gtgcacgcgg aacttggctc   720
tgctgtttgc acccagcgtg ttccagacgg atgggcgagg ggagcacgag gtgcgagtgc   780
tgcaagagct cattgatggc tacatctctg tctttgatat cgattctgac caggtagctc   840
agattgactt ggaggtcagt cttatcacca cctggaagga cgtgcagctg tctcaggctg   900
gagacctcat catggaagtt tatatagagc agcagctccc agacaactgt gtcaccctga   960
aggtgtcccc aaccctgact gctgaggagc tgactaacca ggtactggag atgcggggga   1020
cagcagctgg gatggacttg tgggtgactt ttgagattcg cgagcatggg gagctggagc   1080
ggccactgca tcccaaggaa aaggtcttag agcaggcttt acaatggtgc cagctcccag   1140
agccctgctc agcttccctg ctcttgaaaa aagtccccct ggcccaagct ggctgcctct   1200
tcacaggtat ccgacgtgag agcccacggg tggggctgtt tgcggtgttc gtgaggagcc   1260
acctcgcttg ttggggaagc cgcttccagg agaggttctt tcttgttgcg t   1311

<210> 263
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(330)
<223> similar to gi1103590 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 263
ctttgctgat gcccccatgt tcgatatggg tgtgaaccat gagaagtatg acaacagcct   60
gaatatcatc acgtgatgaa ggcagggccc gtggagaagc ggccagcctg gcaccctatg   120
gacacgctcc cctgacttgc gccccgctcc ctctttcttt gcagcaatgc ctcctgcacc   180

154

```
accaactgct tagaacccct ggccaaggtc atccatgaca actttggtat cgtggaagga    240
ctcatggtat gagagctggg gaaaggaact gaggctccca cctttatcat ccaagactgg    300
ctcctccctg ccggagctgc gtgcaaccct ggggatgggg ttctggggac tggcttatcc    360
atact                                                                365
```

<400> 264
```
tttgagatgg agtctcactc tgccaccagg ctggaatgca gtggcgcgat cttgggtgac     60
agagcaagat tctgtctaaa aaaaaagaaa gaaataggag caggatcaac ttccagatat    120
acagagaata taaaaataca ttcactttat tttagaaaaa tgaagactca tagagtaagc    180
ttatcacaaa ctggcctatt aggagtcaca gaattcacag gaaacaattt ctgaagacca    240
ggtgcctgct gccacctctc caagcaggcc agagtccagt agagaatgcg attcaggaag    300
atggctcctc agagggcagg gaggttagct acggaggccg ctcacatgga aatgtccagt    360
gaaccaatgc caaggaagaa gataaaaatt ctctggggct gaccacaaca gtgggggtgg    420
ataaagacaa accacttgcc tgtacttctc atcttctatt tgttcatttc actgctggaa    480
ggtgacctct tttcccctaa tcttctttca acccagagag tttaagtctt ctccagctca    540
atcctaatcc accccatttc ccatggtctc tactcctggg agaccagccc tggtggcatc    600
tcttcctcct gtccctgggc cagaatctgc tggagtcagg gtctgctggg tagaggcgag    660
tccaggtact gactgtagtg gtttgctact gaagtcttgc ttgctgtcct gatctcttta    720
cctggtaggt cctgggactg ccactttcct gggggggctgc agattgctgc gagtggcacc    780
catgacagga agatttagtc gctgggaaac aggaaccttg tgtccacttt cccgcactct    840
gtgtcctgca gtgcttggtc ttggaagccc ttttcgagtt gacagagaat ccggaggtag    900
ggcacctctg ccaggtggca cactccggct ggtgagtggc attcggctgg caggcccgca    960
acttggctgc tctggtctcc tcactggctg ctgctctccc actgggcccg gctctccccc   1020
ggactggggg agtcgatcgg gtaagaggag aagatgctgg gcttttggat gcagggaaca   1080
gattgcaagt gggtgactcc ctcttcatgt tggagggcct ctttccagat gtagccggag   1140
agccctgact gaccccttcc tatctttctc cgccctcgtc caagcttgcg ta           1192
```

<223> similar to gi2388986 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 265

```
ttttgtcgaa aggggtttaa gtggggaacc cccggggttt tcccctcccg gcggtgttaa     60
accccgggcc agggaattta attttggggg ccccataaaa aaactttttc cttgcaagcc    120
cgcggaagta aactttgatc ctttaaaacg ggcccccctt tttttttttt ttcttgggtt    180
cacatttatt gtaacttgga agcccaccct tcttcctact cctggagctg tcgtccccaa    240
gggctcagga attagccttg ctccacagca aacagcccag aggccccacc tgggcaaaag    300
caaacaaaac agatacgttc ctttccggca ggtgcagatg ctctgcccag gcctgcggaa    360
gccagctccg gtctgtgtgt aaatcctccc caggacttcc ggcccaccag ctccattcca    420
gcctccactc ggctcagctc cgcggcttcc tcgagccagg ctggtcctgc atcgccatct    480
gctggccgcg cggcacggcc ggttcctgga gccagcagga gtcggaggct gcagggcttg    540
aaggcctctt caccgtgccc tccagggagc ctagctgccg aagtattcct gctggaactt    600
ctggaagtct tcctcggtga acacggtgcc ctcagccttc ttcttcttgg tcttggccac    660
aggccggtca caggccttgc ggccccggtt ctggcgcaaa atctgctggc tcacagactc    720
agccacggtg cttctcgtcc tggtcagaaa cttcaggttt actctgaggt ggtctcgaca    780
ctctcgcttc cggtactcgt ccagtgccga cttgggcacc tttcccttgg ccgagttccg    840
cagtttctgg gcctgaattg ccttcgtctt ccggggccgt ttcaccggag ccccctctcgg    900
cttggcctga cctggagggt cccgggggggc ctcggacgcc gccagcagct ccaggccccg    960
ccgcagcagg gcggcggaca tggcggcgct tggctccccc cttctgtcgt cttctcgcag   1020
c                                                                   1021
```

<210> 266
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(755)
<223> similar to gi3874336 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 266

```
aatacattgc cgggggtggc caggggtccc gtcgcaaagc acggagagtg cgagtttagg     60
agtctgagct tcccccgagg cgcgagccag cgggagcggg gatccggtgg ccgtgcctgg    120
tggcaccgtc tttgcgccgg gaccttctga gagagggtgg gttcgggagc ccggagctgg    180
accttctcgg gaagggacgg tgatctcgag agcactgggg tcccctтccc gggcgcctcc    240
gcccgctgcg cgaccacgga gcctgggaag agggatccgc cggctgcagc cgcgcaggtg    300
gaaagaccct tctctccgcc ttaccgctcc agatcttcgc cggcggtttt ccctggctcc    360
cggagcggct gcgtgctgca cctgttgctc ggagctgctc cttcccgcgg cgcttcnccg    420
```

156

```
cactgcccag cgcgcagcag tgcactgtgc ggctcctgca gagaaggctc cccgcgcatc      480
ccgcgcgccc agcgccacct ccccagtggg ctggcgcctc cgactccctc ccggctttc       540
cagggattcc gagtcgtcca cagggcgaga gctcttttgg gaggcttcct ggtggtggat      600
agagtcgggt gccaggggct tctctgctgc aactgagagg cgaaaacagc tcggctgaaa      660
tccgcgcccc ttagaagtca cggtgcgcga gcagagacat ggacggattc tagcgggatg      720
ggtcgccgcc cacctcccga cgaagtcgtc gaccc                                 755
```

<210> 267
<211> 1906
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1907)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (411)...(1906)
<223> similar to gi5532493 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 267
```
gtcccgactt tcctggagga caccttcgtg cggagcgcgc cgagcctcgt cccgcggccg       60
ggccgggggcc gggccgtagc ggcggcgcct ggatgcggac ccggccgcgg ggagacgggc     120
gcccgccccg aaacgacttt cagtccccga cgcgccccgc ccaacccca cgatgaagag       180
ggcgtccgct ggagggagcc ggctgctggc atgggtgctg tggctgcagg cctggcaggt      240
ggcagcccca tgcccaggtg cctgcgtatg ctacaatgag cccaaggtga cgacaagctg      300
cccccagcag ggcctgcagg ctgtgcccgt gggcatccct gctgccagcc agcgcatctt      360
cctgcacggc aaccgcatct cgcatgtgcc agctgccagc ttccgtgcct gccgcaacct      420
caccatcctg tggctgcact cgaatgtgct ggcccgaatt gatgcggctg ccttcactgg      480
cctggccctc ctggagcagc tggacctcag cgataatgca cagctccggt ctgtggaccc      540
tgccacattc cacgggcctg ggccgcctac acacgctgca cctggaccgc tgcggcctgc      600
aggagctggg cccggggctg ttccgcggcc tggctgccct gcagtacctc tacctgcagg      660
acaacgcgct gcaggcactg cctgatgaca ccttccgcga cctgggcaac ctcacacacc      720
tcttcctgca cggcaaccgc atctccagcg tgcccgagcg cgccttccgt gggctgcaca      780
gcctcgaccg tctcctactg caccagaacc gcgtggccca tgtgcacccg catgccttcc      840
gtgaccttgg ccgcctcatg acactctatc tgtttgccaa caatctatca gcgctgccca      900
ctgaggccct ggccccccctg cgtgccctgc agtacctgag ctcaacgac aaccccctggg      960
tgtgtgactg ccgggcacgc ccactctggg cctggctgca gaagttccgc ggctcctcct     1020
ccgaggtgcc ctgcagcctc ccgcaacgcc tggctggccg tgacctcaaa cgcctagctg     1080
ccaatgacct gcagggctgc gctgtggcca ccggccctta ccatcccatc tggaccggca     1140
gggccaccga tgaggagccg ctggggcttc ccaagtgctg ccagccagat gccgctgaca     1200
aggcctcagt actggagcct ggaagaccag cttcggcagg caatgcgctg aagggacgcg     1260
tgccgcccgg tgacagcccg ccgggcaacg gctctggccc acggcacatc aatgactcac     1320
cctttgggac tctgcctggc tctgctgagc ccccgctcac tgcagtgcgg cccgagggct     1380
ccgagccacc agggttcccc acctcgggcc ctcgccggag gccaggctgt tcacgcaaga     1440
accgcacccg cagccactgc cgtctgggcc aggcaggcag cggggggtggc gggactggtg     1500
actcaaaagg ctcaggtgcc ctacccagcc tcacctgcag cctcacccc ctgggcctgg      1560
```

157

```
cgctggtgct gtggaanagt gcttgggccc tgcttgaccc ccagcggaca caagagcgtg      1620
cttcagcagc ccaggtgtgt gtaacatacg gggtctctct ccaacgccgc caagccagcc      1680
gggcggccga acccgtgggg caggccaggc caggtcctcc ctgatggacg cctgccgccc      1740
gccaccccca tctccacccc atcatgttta cagggttcgg cggcagcgtt tgttccagaa      1800
cgccgcctcc cacccagatc gcggtatata gagatatgca ttttatttta cttgtgtaaa      1860
aatatcggac gacgtggaat aaagagctct tttcttaaaa aaaaaa                     1906
```

<210> 268
<211> 1402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1387)...(1256)
<223> similar to gi222811 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 268
```
ctagttcgac atctcgcgcg gcctcgggag ctgcccggcg gccccggacc gaggcagccc        60
tccccttttaa aagaagcgga ggacaggatt gggatccttg aaacccgaaa cccagaaaca      120
gcatcggagc ggaaaccaga ggggaaacct tgaactcctc cagacaattg cttccgggga      180
gttgcgaggg agcgaggggg aataaaggac ccgcgaggaa gggcccgcgg atggcgcgtc      240
cctgagggtc gtggcgagtt cgcggagcgt gggaaggagc ggaccctgct ctccccgggc      300
tgcgggccat ggccacggcg gagcggagag ccctcggcat cggcttccag tggctctctt      360
tggccactct ggtgctcatc tgcgccgggc aagggggacg cagggaggat gggggtccag      420
cctgctacgg cggatttgac ctgtacttca ttttggacaa atcaggaagt gtgctgcacc      480
actggaatga aatctattac tttgtggaac agttggctca caaattcatc agcccacagt      540
tgagaatgtc ctttattgtt ttctccaccc gaggaacaac cttaatgaaa ctgacagaag      600
acagagaaca aatccgtcaa ggcctagaag aactccagaa agttctgcca ggaggagaca      660
cttacatgca tgaaggattt gaaagggcca gtgagcagat ttattatgaa aacagacaag      720
ggtacaggac agccagcgtc atcattgctt tgactgatgg agaactccat gaagatctct      780
ttttctattc agagagggag gctaataggt ctcgagatct tggtgcaatt gtttactgtg      840
ttggtgtgaa agatttcaat gagacacagc tggcccggat tgcggacagt aaggatcatg      900
tgtttcccgt gaatgacggc tttcaggctc tgcaaggcat catccactca attttgaaga      960
agtcctgcat cgaaattcta gcagctgaac catccaccat atgtgcagga gagtcatttc     1020
aagttgtcgt gagaggaaac ggcttccgac atgcccgcaa cgtggacagg gtcctctgca     1080
gcttcaagat caatgactcg gtcacactca gtaagtcctt gcagagtcca tgggtttctt     1140
cgacaagtgg cttcaaggaa gggaattccc acccttgtct tccagcaagg ccacacacat     1200
gaaaccagca gaaaagagtc ttatttgctg gaaagacccc cagcaagggc atagtgagcc     1260
cttacagtgg ttccagtcag aaaaggcacc acttggtggg cacagcccca tgggtgttcc     1320
aacttggtaa gcagagcaag gctggacttg agttcccgtc cttcacaaaa cacagagcca     1380
caagccccag gcctgcagca gg                                               1402
```

<210> 269
<211> 823

158

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(592)
<223> similar to gi4519270 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 269
tgtaagcatt gtggaatggg attcacatct gccaggattt tccaaataca tgaaagaaca   60
caaatgggag agaacccta tgaatgtaag gaatgcggaa aagcattcaa ttatttttct   120
tccttgcata tacacgcaag gactcatatg ggagagaagc catatgaatg taaggattgt   180
gggaaagcat tcagctagcc tggttccttt tatggacatg aatagactca cactggaagg   240
aagcactatg aatgcaagca atgtggcaaa actttcacat tttccagttc ttttcgatat   300
catgaaagga ctcacactgg ggagaaaccc tatcaatgta agcagtgtgg gaaagccttc   360
attccttta cttctttca atgtcatgaa aggactcaca cgggagagaa accctatgag   420
tgtattctag ttccgtttga tatcatgaaa ggacttacac tggagtgaaa ccctatgaat   480
gtaagcaatg tgggaaagcc ttcagatgtg cctcgcacct caacggcat ggaagggttc   540
acacttggga gaaactctat gaatgtaagc agtatgggaa agccttcaga tctgccaaga   600
ttctttgaat acagataatt aatgtaaaca attatcataa gtatactaac atgttattct   660
ttttaaataa gaaggtataa taaaatatcc cattggtttt atgtattaga tcaagcttat   720
aatgttacat tgttattatt tggacattgt gagtcagtat taccatgtgg ataaaatgcc   780
aggcatcttt ttcctcatgg aaagtttact ttttgcaccg ggc   823

<210> 270
<211> 2023
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2026)...(545)
<223> similar to gi575322 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 270
ttttttttt ttgaaggcaa aagtgtttat tcaagacttt ctaccacact gtgggaagca   60
tcgataaaca gtcataataa ttatcattct gagtcactgc aagcgtgggg ttggatgctg   120
gctctcacag tagcctgtgt tgggaccatg agcagccatg cgcacctcca cgcacggccg   180
agctcaaccc gaagaccacg cgtgctccct ggcaggagca ggaggcctga ccacagacgc   240
agcagctccc cagcctgagc ctgggagtgc accagccagc tcgcagcgga ggccgtttct   300
cctcacaggc tggagtgagc tcagagtcta gaggtcagag gacctcagac taagagctgc   360
aacagaacga cagcaagaac attctggaaa cgatgccaca gtgaatcttt tatactgtca   420
ctcacacttg gtgagggcct cagacatgaa accctgggga gaggcgagtg tgacctccag   480
agtttggctg ggatgcggct gagacagacc tgctgctggc cgaggagggc agtggctggc   540
gtggccctca tggccagcag gtgctaggac tcctctggag gcccaggcgc ctgtctaagc   600

```
tgccggctgt ggaccacctg cagagctccc cccgcagcct ggcggagctg ggcatccagg      660
gcgccacgga ggtcgttcac ctggacatca ggcagggggt taaggccaat gatgaccccca     720
tccctcgggg ccagctgacc ctctgcatga gggccaaggt cccgccgtcg cctccggagg      780
tcggagccag cctgcagttt caggtcccgg ttgggcttgg cattgtccgg cctctggccc      840
cccgggacag ctcgtttgag ccccagctct ggctctggcc tctgcctggg ctcctggaca      900
gcagcgtcct ccccgcctct cggctgctcg tgggacacag gcacatggtc ccccccgcgg      960
gcctttctca tctccaggtg accgccatgg tccagccggt ggccctgctg tccaccctgc     1020
tcgccatcag agatgacccg cagttccggc tggcgtaaca cagcctgggg ctgtgcagct     1080
gctccttccg ccccaccggg caggtccgct gcaaggccca ggtctcggct cacttgcttg     1140
ggcttcatgc gagggtcccc cgtctctgct cctggccctg ccacgagcca gttggcttcc     1200
ttcagaatgc tggtgccagt ggctgccacc tccttcccag gttttttcct gtcttgggaa     1260
ccgccagtaa cgtcctgact ttgcccaggg aattcctctg cgaggcgctc ctctgggccc     1320
ccggcttccc tggcgggggtc tggcacgggc acctgctccg ggcccttggg gagctccttc     1380
acagtgccag ctgccctggg ggcggcatcc ttctggccat ctctcagctt gccctgggct     1440
gcccgaggct ctgtgtcagg gccgccgtca ggagggccag cagggtctct gcccacaggc     1500
ccctcagagt gctccaggga gcgctggtta aggtcctggg atggagcagg gcggccccca     1560
ggagctctga ggacagggtc caaaggcagg ggaggcagat tctccaccgt ctccctggcc     1620
ttgccttcag gggcctcctg gcctctgggc accgctgccc cgggctcttg atgcacctcc     1680
acctgcctgg gtttatcctc ctcgtcctcc tgcctctgct ggtggatctc cttgtgctgc     1740
tcctcgatca ccgccagcag cttctcctgc tggtccagca agcgcttttg ctgcacctgc     1800
tgttctttga tcacctgaag caggacggcg tggtccagca tctccgccct gccagcttcc     1860
tccagctggc tggccgcctg gtttccaccc gctcgctcca cgtccctctg ctcgcgaggc     1920
tcgggcgggc agcccaggcc ctggagccgg cttctccgct gggagggggag gcttcccacc     1980
gtggtcgctg tcctctgcgg gctgccctgt gtccccggcg gcg                        2023


        <210> 271
        <211> 870
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(871)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (1)...(870)
        <223> similar to gi180359 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 271
ccttgggaag cccccaagga gcataagtac aaagctgaag agcacacagt cgttctcact       60
gtcaccgggg agccctgcca cttccccttc cagtaccacc ggcagctgta ccacaaatgt      120
acccacaagg gccggccagg ccctcagccc tggtgtgcta ccaccccaa ctttgatcag       180
gaccagcgat ggggatactg tttggagccc aagaaagtga agaccactg cagcaaacac       240
agcccctgcc agaaaggagg gacctgtgtg aacatgccaa gcggcccca ctgtctctgt       300
ccacaacacc tcactggaaa ccactgccag aaagagaagt gctttgagcc tcagcttctc      360
cggtttttcc acaagaatga gatatggtat agaactgagc aagcagctgt ggccagatgc      420
cagtgcaagg gtcctgatgc ccactgccag cggctggcca gccaggcctg ccgcaccaac      480
```

```
ccgtgcctcc atggggggtcg ctgcctagag gtggagggcc accgcctgtg ccactgcccg      540
gtgggctaca ccggacccctt ctgcgacgtg ggtgagtgag ggtctggggc aagcagaagg      600
ccagccccca ggtgggacgg gcttgccagg aaggaggagg gagagtgcgg aaagcagatg      660
agagggaggc aggagagccc agccttggct gcccagggag ccccctttct cctcagacac      720
caaggcaagc tgctatgatg gccgcgggct cagctaccgc ggnctggcca ggaccacgct      780
ctcggtgcgc cctgcagccg tggccctcga ggccacctaa ccgaacgtga ctgccgaaca      840
agcgcggaac ttgggactgg gccgncaccc                                       870


        <210> 272
        <211> 1420
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (408)...(1423)
        <223> similar to gi|196433 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 272
aaaactatta aaactgataa agcgagttca tccaggtcgt agaatacaag accaatgtgc       60
aatgatcatt gcattttgtt tttgtttgtt tgtttttttt tgagacagag tctcactctt      120
gtcgagactg gggtgtagtg gcgccatctt ggctcactgc aacctctgcc tcccaggttc      180
acgcaattca catgcctcag ccacctgagt agcagggatt acaggtgtgt gccaccatgc      240
ctggctaatt tttagtattt ttagtagaga tgggattttc ccttgttggt caggctagtc      300
atgaactcct ggcctcaagc gatccaccca tcttggcctc ccagagtgct gggattacag      360
gtgtgaatca ccatactcag cctcaattgt atttctgtac acctctaaat aaatggaaat      420
acattccatg ttcatgaatc agaagacata agatgaccat actccccaaa ctgatctaca      480
ggttaaatgt aattcccatt aattccagct ggtttctttg ctgattctaa aattcatatg      540
gaaatttcag gaacacagaa tattaggaag aatcttgaaa gagtttgaat gacccaccct      600
tcctgatttt aagtatacag aactacagta atgaatgtgt tgtactggta taaaggtaga      660
catataggtc aatatagatc aatggcatag aattgagaat tcagaaaaaa agccttcacg      720
tttatggtca gttgatttta aaccagagtg ccaagacaat tcaatgggaa aaggaaacag      780
tctttgaacc aactgtcttc tggatctatt ggatatctat gtaaaaaaga gtgacatttg      840
attcctactt cacatgatat ttaagaagta acttaagatg gatcaaatac ctaaatgtaa      900
gctaaagcta taaaactctt agaagaaaac atagacgtaa atctttgtga ctttggatta      960
ggcaaggatt tcttaaatat acccaaagca taggcaacaa aagagaatac acaaactgga     1020
cttcatcaaa actaaaaact gttgtttgaa atgacaccat caagaaagtg aaaagacagc     1080
ttacagaatg ggagaaaata tttgcaaatc ataaatgtga taagggactt gtatcttggt     1140
ggtatataaa gaactcgtaa ctcaattata aaaagacaac tttgaaatgg gcaaaatagc     1200
tcaacaggct tttctgcaaa gaagaaatac aaatgaccaa gaagcacatt taaaaatttt     1260
cagtactatt actcatcagg aaaatgcaaa tcaaaaccac aagacacca atgtctacaa     1320
tcaaaaagat aataactagt attgatgagg atgtggagaa attgaaattc tcataacatg     1380
ctgggtagga atgtaaaatg gggcagccac tttgggaaaa                           1420



        <210> 273
```

161

```
<211> 536
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(194)
<223> similar to gi407139 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 273
gttacccact aaaactcttg aaggcatggg agcagttcat gctctccgag gtgaagtggt      60
cagcatcaag attcctttca gtggcaaacc agatcctgtg atcaccttaa aatgagaggc     120
aggactggct aggtgatgcc taaggatgat tcccagcctt gacatgctgg tattctcaca     180
tatcctatcc gtggctgata tagtctgtgc ggatgaaaat tccaaaaccg aagacaggat     240
ttcgcacttg ctaaagttgg agctcccagg cgctgagatc caatttgggc ctgggagagt     300
ggggagggag agcaatctgc ccagtgaagg agagctgcgc taaaggcaag gtttttacttc    360
tttttatccc ttagcgaaaa gcccactgcc tctgaaagta gcacggtgtg gccacacgga     420
cacatggggg aagtcagtca gaggcgctcc aacagaacgg ccagaagccc ctttcctggc     480
ttaccaggca gcctcctcgt gccgaattcc tgcagcgcgg cggcgagggg tctatt          536



<210> 274
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(378)
<223> similar to gi1196433 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 274
cagttgctaa aaaaacccaa gtataaatct aacaaaacat gtacaggact tcaattgtac      60
atgttttgtg gcagaaaact acaaaacatt gatgaaataa accaaataag atctaaataa     120
atggaaaaac atagtgtgtt tgtggattag aagattcaat ataataaaga agtcaattat     180
ttgccaattt acatagaagt ttaatgcaat tcctatcaga atcccagcaa gatttttgta     240
gatatagaca cgattattct aaaatttata tgaaaatgca aaggaaccag aatagctaaa     300
ataactttgt aaaagaataa taaagtggga ggaatcaatc tacctgattt caagatttat     360
tatagagctg tcgtatttac agagtgatag acacatagat caatgaaaca aatagagaac     420
ctagaaacag actcacaaaa atatgcccaa cc                                    452



<210> 275
```

<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (74)...(420)
<223> similar to gi4583537 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 275
```
attaagccta gccctagccc ttttaaggtg cactgtgtgg aacggcccag gctccccaaa      60
tctaaacttc tcactcttca ccatccagtt ttcaaggcac tgtgaagccc ctgatgcgaa     120
acagcagtta ccgcaggcca tggaggagcg ggcacagctg aaagcacatc tagggcaggt     180
aatggagtca gttagataac tacaaacgga gagagatacg tatgctgaaa atctgaaagg     240
agggagggcc atgtggtgtc agaggaagca acagatgtcg gagcagcagg gccctccaag     300
gtggagcagc agctacaagc agaggctgac cacctgcaga aggagctgga gagtctggca     360
gctccgagcc caggagcaag acactgaggg cttcagtcac ccgaaccagg aggtggagga     420
g                                                                    421
```

<210> 276
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(421)
<223> similar to gi1334115 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 276
```
caaaaacata tataaatgtt tttagaaata gacaaatcca cgataatagc tggagatgtc      60
aacacccctc tatcagtaac tgacagattc agcaagcaga aaatcaggag gatatagttc     120
aactgaatag taccatccat caactggatg tactaacatt aatagaatac ttcctctaac     180
aacagcagaa tatacattct tctcccactt gtatagaaca ttcaccaaat agaccacatt     240
ctgggccata tgacacacct taacaaggt aaaagaatag aaatcataca aagcatgctc     300
tcagaccata atggaattca accagaaatc agtaacagaa agatagctgg aaaatcccca     360
aatacttaga gatctaaaaa cacacttata aataaacaca ggagtcaaaa aaggaattcc     420
accgcacgga ctactggtca tctatt                                         446
```

<210> 277
<211> 2139

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(2139)
<223> similar to gi4887715 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 277
ggaattcgcc tgttggaggc tgggccagga cctgagggcc gagaggcatt ttctctgaac   60
agctcttcag gggagttgcg tgcgcgagtg ccctttgact atgagcacac agaaagcttc   120
cggctgctgg tggggggctgc tgatgctggg aatctctcag cctctgtcac tgtgtcggtg   180
ctaatgactg gagaggatga gtatgaccct gtatttctgg caccagcttt ccacttccaa   240
gtgcccgaag gtgcccggcg tggccacagc ttgggtcacg tgcaggccac agatgaggat   300
gggggtgccg atggcctggt tctgtattcc cttgccacct cttccccta ttttggtatt   360
aaccagacta caggagccct gtacctgcgg gtggacagtc gggcaccagg cagcggaaca   420
gccacctctg ggggtggggg ccggacccgg cgggaagcac cacgggagct gaggctggag   480
gtgatagcac gggggcctct gcctggttcc cggagtgcca cagtgcctgt gaccgtggat   540
atcacccaca ccgcactggg cctggcacct gacctcaacc tgctattagt aggggggccgt   600
ggcagcctcc ttgggagttg tggtggtgct tgcactggca gccctggtcc taggacttgt   660
tcgggcccgt agccgcaagg ctgaggcagc ccctggccca atgtcacagg cagcacccct   720
agccagtgac tcactgcaga aactgggccg ggagccacct agtccaccac cctctgagca   780
cctctatcac cagactcttc ccagctatgg tgggccagga gctggaggac cctacccccg   840
tggtggctcc ttggacccct cacattcaag tggccgagga tcatcagagg ctgcagagga   900
tgatgagatc cgcatgatca atgagttccc ccgtgtggcc agtgtggcct cctctctggc   960
tgcccgtggc cctgactcag gcatccagca ggatgcagat ggtctgagtg acacatcctg   1020
cgaaccacct gcccctgaca cctggtataa gggccgaaag gcagggctgc tgctgccagg   1080
tgcaggagcc actctctaca gagaggaggg gcccccagcc actgccacag ccttcctggg   1140
gggctgtggc ctgagccctg cacccactgg ggactatggc ttcccagcag atggcaagcc   1200
atgtgtggca ggtgcgctga cagccattgt ggccggcgag gaggagctcc gtggcagcta   1260
taactgggac tacctgctga gctggtgccc tcagttccaa ccactggcca gtgtcttcac   1320
agagatcgct cggctcaagg atgaagctcg gccatgtccc ccagctcccc gtatcgaccc   1380
accacccctc atcactgccg tggcccaccc aggagccaag tctgtgcccc ccaagccagc   1440
aaacacagct gcagcccggg ccatcttccc accagcttct caccgctccc ccatcagcca   1500
tgaaggctcc ctgtcctcag ctgccatgtc ccccagcttc tcaccctctc tgtctcctct   1560
ggctgctcgc tcacccgttg tctcaccatt tggggtggcc cagggtccct cagcctcagc   1620
actcagcgca gagtctggcc tggagccacc tgatgacacg gagctgcaca tctagctgtg   1680
gcccaggctg ggccccgacc tgggatgcgc acagtgtccc caacgcaggc cccactctga   1740
gcctgccctg ggcagcctcg gactatgact ggctacgggg aggccaccac caggccccag   1800
ctctccaccc tgaactcccc agccccctca gagtactagg accacagaag ccctgttgct   1860
cactgacctg tgaccaggtc caatgtgggg agaaatatga aggaggtagc agccctgggt   1920
tctcctcagt gagggatccc tgccctgcac cagcaccctg agatggagct gagactttat   1980
ttattggggg taggggatg gaggaggtcc ctccaacatg tttggaccca gctcctttgg   2040
gttccactga cacccctgcc cctgcccctg cccagaacca agtgccattt ctcactctgg   2100
agccttaata aactgcaatt tgtatccaga aaaaaaaa   2139

<210> 278
<211> 749
<212> DNA

164

<210> Homo sapiens

<220>
<221> misc_feature
<222> (187)...(634)
<223> similar to gi165537 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 278
acacctcagt gctgcagatt ttgcaggagg ggactggagc caagccacag actttctct   60
gttaggagat gggttcttgg agtgggtgtg gtgtctgacc atccggggag atggctgaag   120
ctggggatct gggaaggctc ccagaaggga ggtggcctgg ggaaccaggg gttcagtcct   180
tccaggatgg actggcttga tggtggcttt tcaagctcgt tctgttccca gccactgggc   240
atcctgtcca tcctggagga ggaatgcatg ttccccaagg cctcagacgc cagcttccgg   300
gccaagctct acgacaacca cgcggggaag tcacccaatt tccagcagcc tcggcctgac   360
aagaagcgca agtaccaggc ccacttcgag gtggtccact acgcaggcgt ggtaggtgct   420
tgctggaacc ccagccctcg gccaggctcc tcccgccctg ctccaggtct cccacccggg   480
ctcagcacct gacttgtctc tccaggtgcc ttacagcatt gtgggctggc tggagaaaaa   540
caaggatccc ctgaatgaga ccgtggtccc catcttccag aagtcacaga ataggctcct   600
ggcgactctc tatgagaatt atgcgggctc ctgctccagt gagtatggag ggacaagatc   660
tccactctga caggggccca cagagcgaca ttccctggag tgaccaggcg aatgccaccg   720
cactggacta gtgtctacga gttagccgc   749

<210> 279
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (75)...(626)
<223> similar to gi3882259 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 279
cgggacgctt aacgttgaaa cccttattga tagcctatac agtgaggagg aattctgctg   60
agctttctga cttttgaggaa tgcgaggaga cgggagagct ctttgaggag cctgccccccc   120
aagccctggc cacgagggcc ctcccctgcc ctgcacacgt ggtatttcgc tatcaggcag   180
ggcgtgagga tgagctgaca atcacggagg gtgagtggct ggaggtcata gaggagggag   240
atgctgacga atgggtcaag gctcggaacc agcacggcga ggtaggcttt gtccctgagc   300
gatatctcaa cttcccggac ctctccctcc cagagagcag ccaagacagt gacaatccct   360
gcggggcaga gcccacagca ttcctggcac aggccctgta cagctacacc ggacagagtg   420

```
cagaggagct gagcttccct gagggggcac tcatccgtct gctgccccgg gcccaaagat    480
ggagtagatg acggcttctg gaggggagaa ttttggggcc gtgttggggt cttcccctcc    540
ctgcttggtt ggaagaactg ctttggcccc ccanggaaac ttgaactctc tggaccctga    600
acanatgctg gcgtcccctt cttcct                                         626
```

```
        <210> 280
        <211> 1270
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (202)...(633)
        <223> similar to gi5305335 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 280
aagttcggca ctaggtggac gcccctatcc ctccatgctc tcgcagcccc actgatggac     60
ggttgtggaa ccactcccgg gcctcatgtt tacaaagaga ccgagagccc atcgtccagg    120
gtcacaggga tggcaggtgg cagagaggac acaaatgagt ctgcaaccct caatgtctga    180
aactcaatag ctggaagacg gataccccca gccctgccc ctccccgagg tcccacctat     240
ccacctatgt taccggggga ggggagaagt catagctgga actctggggg tttcccagaa    300
ccagccctgc tgactgcgaa cagcgtccca gcatggagag gctgagaaca gtacgtaccc    360
taagacctgg aaaagattgg ggcacaaatc cacgctcggc acagccatca cacacggcca    420
cacccagaga gccacccatg gcctgggaag cagggctgcc acccgcacct ccctgggctg    480
cccagatgag ggcgggtgaa cagaagggca gcccagggcc atgtgtcagg attcgggcca    540
cctgcccagg cagcccagag ctccacccac cacccccac cctcaactgc acagcaggggt    600
ccctcagcag cccccctgcgt cacacggacc aatgacctac acactgagcc ggggctcatg    660
ccaactgaaa attgggaccc ggcccagtct gccggtttag ttgctgagat gatgtgggga    720
gcgggacaga gcacgtggat gcagagaggc agagctgcca gatgggcatg tccccaagac    780
aacagcttcc ttgggatcag agcgcccggg acagcacacc agccaaggga agcgtgtcag    840
ctccaaaagc gggcctcggg cgttttgggc gactggctgc caggcttagg tcaggagctg    900
ggtacatgca cagacaaggg acgaaggaac agcagccagg aaggggtcca aatccataca    960
ggaatgtact ttgtgagaaa ggtgggattt cacagctgta agcaaaagac aggtgctctc   1020
gacaggtggg gctgagaaga aaactgagcc aagatctaaa aaaaaaatta catcagctcc   1080
atcccaccat gttacataat aacatgctcc agctggatca aagcttcaac catggaaaca   1140
agcaagcagt caaggagaag ccagaagaaa agctctggag gccgggcacg gtggctcatg   1200
cctggaatcc cagcactttg ggacagggtc ttgctctctc accaaggctg gagtatagtg   1260
gcccgatcat                                                          1270
```

```
        <210> 281
        <211> 456
        <212> DNA
        <213> Homo sapiens

        <220>
```

166

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (456)...()
<223> similar to gi3043708 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 281
cgcgccgttc cataagaaac catcgantga gggcgtacga acnaccagga gctgttnctg   60
tatttttagg agacacggat gtgctgcctc cgttccatct ctgaaggagt ttcagaagcc   120
tgagcagccc actccaagga aaagccccta tggtccccct cccactggcc tgtttgatga   180
tgatgatggt gatgatgata acgacttttt ctcgacaccc cacagcatac cttccaaaac   240
aggcaaagtc caatccactg ctgatatctt tggtgatgaa gaaggagatc tgttcaaaga   300
aaaagccgta gcatcgccag aagccacggt taccttacct tccagcaaaa atctcaagcc   360
ctcgtcagaa acaaacactc agaaaggctt attttaggat caggaggact ctgaggattt   420
gttttcttct caaagtgcga gtaacttaaa aggtgc   456

<210> 282
<211> 1427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)...(1427)
<223> similar to gi3273699 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 282
attgtagaca ttagtcagtg cggtggaatt ctcagcccca cgtggaggcc ctggaggaag   60
ccctggctca gatccacata ataaacagtg ccctccagaa gcgagtggag gcagtggcag   120
ctgatgtccg gacattctcg gagggctaca ttaaggccat tgaggagcat cgggacaagc   180
tgctgaagca gctggaagac atacgggccc agaaggaaaa ttccctgcag ctgcagaagg   240
cccagctgga acagttactg gcagacatgc ggactggagt ggagttcacc gagcacttgc   300
tgaccagcgg ctcagacttg gagatcctca tcaccaagag ggtggtggta gaacggctca   360
ggaagctgaa caaagttcaa tatagcaccc gtcctggagt aaatgataag atacgcttct   420
gtcctcagga gaaagcaggc cagtgccgtg gctatgaaat ttatggtacg attaatacca   480
aagaggttga tccagccaaa tgtgtcctac aaggagaaga cctccacaga gcccgggaga   540
aacagacggc ctctttcacc ctgctttgta aggatgccgc aggagaaatc atgggcaggg   600
gaggagacaa cgttcaagtt gccgttgtcc ctaaagataa gaaagacagc ccagtcagaa   660
caatggtcca ggataacaag gatgggacat actacatttc ctacacccc aaggaacctg   720
gcgtctatac tgtgtgggtc tgcatcaaag aacagcatgt gcaggctcg ccattcactg   780
tgatggtgag gagaaagcac cgcccacact caggcgtgtt tcactgctgc accttctgct   840
ccagcggggg ccagaaaacc gctcgctgcg cctgtggagg caccatgcca ggtgggtacc   900

```
taggctgtgg ccatggacac aaaggccacc caggtcatcc ccactggtca tgctgtggaa      960
aatttaatga gaaatctgaa tgcacatgga caggtgggca gagcgcaccg aggagtctac     1020
ttaggactgt ggctctctga tgggtttgtg ctcagccttt aaagctgca ggcagcacca      1080
cttgagattt ccagaggacc cagaccttcg ttcattctaa agagactgat agaattaaaa     1140
acaaagtgcc ttatcttgca ctggagttca agtgctcttt tgttattcac tgattgtact     1200
tgtggatggt tgagcacaaa aaaccacctc tacatttctc ttaaaggtag gttggcaacg     1260
ttcttttttct accacaggat actccttttc attttgtaca gtatggaggt atctattcca    1320
ttggaactga agggtctagg tagtttagtt cctttctgat ataacccttt ttttttcttt     1380
gttttttttt ttaaaggaca gagtctaatt tgtgtccccg ggtgggg                   1427
```

<210> 283
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(464)
<223> similar to gi5817151 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 283
```
ccccctttga gaccatttga cagcgctgtg gaattcgttg ggaacacgcc cacacgctgg       60
cgatgaaatg catgagacca gaagatgtgt cagtgctata catcactcag gcccaggaaa      120
tggagaagca gggcaagtac cgtgaggctg aaaggtgagc cgtggcccca gaggaggtgt      180
agagggagat gagatttcaa ggctgggacg agggatgggg tctgaggatg tgtaccctct      240
gcccagaagg cagtgatagc aggggtcggg tctaggaggc cccagatgta tctccttccc      300
caggctatat gtgacagtac aagagcctga tcttgccatc accatgtaca aaaagcacaa      360
gttgtatgat gacatgatcc gcctggtagg gaagcaccat ccagatctcc tcagtgatac      420
acacctacat ctgggcaagg agctggaggc tgaaggccga ct                        462
```

<210> 284
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (112)...(844)
<223> similar to gi915207 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 284

```
gcgcccagtt gcccgggcac caaatcggag cgcggcgtgc ggtagggccc agagcaggac      60
tggaaatgtc ctggccgcgc gcctcctgct cagatacctg ttcccggccc tcctgcttca     120
cgggctggga gagggttctg ccctccttca tccagacagc aggtctcatc ctaggtcctt     180
agagaaaagt gcctggaggg cttttaagga gtcacagtgc catcacatgc tcaaacatct     240
ccacaatggt gcaaggatca cagtgcagat gccacctaca atcgagggcc actgggtctc     300
cacaggctgt gaagtaaggt caggcccaga gttcatcaca aggtcctaca gattctacca     360
caataacacc ttcaaggcct accaatttta ttatggcagc aaccggtgca caaatcccac     420
ttatactctc atcatccggg gcaagatccg cctccgccag gcctcctgga tcatccgagg     480
gggcacggaa gccgactacc agctgcacaa cgtccaggtg atctgccaca cagaggcggt     540
ggccgagaag ctcggccagc aggtgaaccg cacatgcccg ggcttcctcg cagacggggg     600
tccctgggtg caggacgtgg cctatgacct ctggcgagag gagaacggct gtgagtgcac     660
caaggccgtg aactttgcca tgcatgaact tcagctcatc cgggtggaga agcagtacct     720
tcaccacaac ctcgaccacc tggtcgagga gctcttcctt ggtgacattc acactgatgc     780
cacccagagg atgttctacc ggccctccag ttaccagccc cctctgcaga atgccaagtg     840
tggg                                                                  844
```

```
        <400> 285
gaaaagataa ttacaggcac aaatgtcctt gattaacaaa aatcctcaac agactactag      60
cacatcaaat tcgacagtac tttaaaagga ccatacagca tgactaggac aatacatcat     120
gtaccacaca tcatgggatt catctttggg gtgcaaggat ggcatgacat gtgaatcaat     180
taatgtgaaa cattacatta acagaatgaa gaataaaaat cacatgatca ttttaatgat     240
gcagaaaaag cgtttgacaa aacgtaatag tctttcagta taaaaactca aaaaactaga     300
ggtaaaagga atttacctct acataataaa ggtcacatat gataaactcc cagctcgcat     360
tatagcagat gattaaaaaa ctgaaagttt tcctctaaga ttaggaaaaa gatgaagagt     420
ctcccc                                                                426
```

<220>
<221> misc_feature
<222> (1)...(1693)
<223> similar to gi2078441 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 286
atggatcaga tctctgaaag caaccaccta attcatctta gtagcactaa taatgtaaaa   60
ctcctatctg agatagagtt ccttgtgaac cacatggact tggccaaagg tcatataaag   120
gcccttcagg aaggagatct tgcttcttcc agaggcattg aggcctgcac caatgctgct   180
gatgcccttc tgcagagcat gaatgtagct cttcgaccag gccatgactt gcttctggca   240
gtcaaacagc aacagcagcg attcagtgat ttgcgagagc tttttgcccg gagactggcc   300
agtcacctca acaatgtttt tgttcaacag ggtcatgatc agagttcgac tcttgcccaa   360
cactctgttg aactgacttt acccaatcat catccatttc atagagattt gctccgatat   420
gccaagctga tggagtggct aaagagtaca gattatggaa aatatgaagg actaacaaag   480
aattacatgg attatttatc ccgactatat gaaagagaaa tcaaagattt ctttgaagtt   540
gcaaagatca agatgactgg cacaactaaa gaaagcaaga agtttggtct tcatggaagt   600
tcggggaaat taactggatc tacttctagt ctaaataagc tcagtgttca gagttcaggg   660
aatcgcagat ctcagtcatc ttccctgttg gatatgggaa acatgtctgc ctctgatctc   720
gatgttgctg acaggaccaa atttgataag atctttgaac aggtactaag tgaactggag   780
cccctatgtc tggcagaaca ggacttcata agtaaatttt tcaaactaca gcaacatcaa   840
agtatgcctg gaactatggc tgaagcagag gacctggatg gaggaacatt atcacggcca   900
ncataattgt tgggcacacc actgcctgtt tcatctgaga aagatatgat ccgccaaatg   960
atgattaaaa tatttcgctg cattgagcca gagctgaaca acctaattgc attaggagac   1020
aaaattgata gctttaactc tctttatatg ttagtcaaaa tgagtcatca tgtgtggact   1080
gcaacaaaat gtggaccctg cttctttcct aagtactaca ttgggaaatg ttttggtgac   1140
tgtcaaaagg aactttgaca aatgcattag taaccaaata aggcaaatgg aagaagtaaa   1200
gatctcaaaa aagagtaaag ttggaattct tccatttgtt gctgaatttg aagaatttgc   1260
tggacttgca gaatcaatct tcaaaaatgc tgagcgtcgt ggagacctgg ataaagcata   1320
caccaaactt atcagaggag tatttgttaa tgtggagaaa gtagcaaatg aaagccagaa   1380
gacccccagg gatgtggtta tgatggaaaa ctttcaccat attttgcaa ctctttctcg   1440
attgaaaatc tcatgtctag aagcagaaaa aaaaaaagcc aaacaaaat acacagatca   1500
ccttcagtct tatgtcattt actctttagg acaacctctt gaaaaactaa atcatttctt   1560
tgaaggtgtt gaagctcgcg tggcacaggg cataagggag ngaggaagta agttaccaac   1620
ttgcatttaa acaaacaaga acttcgtaaa gtcattaagg agtaccctgg aaaggaagta   1680
naaaaagggt cta   1693

        <210> 287
        <211> 1927
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (99)...(1379)
        <223> similar to gi1572721 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

<400> 287

```
cacggcaaga aaataataca cgaggggtcc cttcactgct gaagagcttc ctccaggagc      60
gactgggaat ccacttaatt cgaaggaaga tagtaaagcc taagcatcat gttttgatgt     120
ctcggaagga atcatggaag gtgaaaagcg aaatcccaaa ggtgccgaag cagcctctgg     180
tgctccatca cccgcgcatg acgacaacca agtctccctc aaaggatatg ctagagccag     240
aggcagagct ggctgaagat ctgcccacta ccaaaagcac ttctgtggag tcagagatgc     300
ccactgagaa cctggaaggc cattccccgt cttgccggac cttcgtgcca ctgcctccca     360
tctgctccaa ctccactgtg catagtgaag agaccctgtc ccacctgagt gacacaactg     420
tccgcctcag cccagagcgc ccatcagatg aggactccaa gagcacagag tccatcttcc     480
tgacccaggt gagtgaactg ccttcctccg tcatccataa ggatgattta gagttaaagg     540
agaaagacca aaagaaacca ccaacggcac ccagagaggt gaaagggact cggaggaaac     600
tcccaactgc cttccttccc agcaagtacc acggctatga agaactgctg acagccaagc     660
ctgatccagc cttcattgag ccaaagggaa tccagaagaa tgcacaagcc ctgcaacaaa     720
tgctgaagca cccactcctg tgccactcct ccaagcccaa gctggacact cttcagaaac     780
cctatgttca caaagagaaa cgggcccaga gaatcccgat tccaccccca aagaagacta     840
gagcccaact tctggatgac atcttcattc gcttgcggga tccccggaac attacagagg     900
ctccactagg tgctgtcctg caccagtgga cagaacggcg gctggtgaac cacaagcagt     960
acctggaggc caagaggctg ttgaaggagt tccaggcacg ttaccggcag ctggtgagtg    1020
gctctctgcg cacagtgttc gggactaccc cgctccccat ggcctgccca gcgctgagtg    1080
agagccagcc caagttcggc cacttcctcg agttcatgga tgagttctgc caggagccca    1140
cagccagtga ctcacaaggc tagagctgtg catgggggct gtgtgcacca cccggcctgt    1200
gccccagctc tccccgaggg ctctgtgccc tggaccgcac ctcaaggttg accagccggc    1260
cacaggcctc agagctcagc tgggccccac ttgctggcca caaggtggca tccccttgtc    1320
aggatctccc ctccttggcc caggcatgac ctggtgcctg gcccagcggc aataaagagt    1380
gggtgcacag ggcaatagac tgggtgccac atgcattctt tcttggaacc caggccacag    1440
cagcattgtc acacttccct ctaaaaatgg ttttccagtt cagatgcaac agggatacat    1500
ttgttctctg ttgtatgaga aactgacacc aaggggatct taacaaattc ctgaacaatg    1560
gctccaaaaa agggtatttt taaaaaccag atcttgtgag tacagcccta atgtgcaggg    1620
acagtgtcat cctgtatatt cgttctttac tcagactctt tcttggttcc ttcattagga    1680
gcatgaatgg ttgaatgtga acatgacagt aaattggagc aaactgtaaa ctggacataa    1740
cttatgccaa aagacgtagt tgtacaccat ggaaacccca tccctgctcc taatctctac    1800
tgccattctg aatgccaaag caagacatcc aacatggggc atctcccaga gcacatacag    1860
caccaaaaat ccacacacag cctaagctta acccatgttt ttgtcttgag attgttcacc    1920
agagaca                                                              1927
```

<210> 288
<211> 1125
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (137)...(1109)
<223> similar to gi2894106 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 288

```
aaacacacgc gtccgggccg ctgcgtcctc atcggattcc gacgcctgcg gagctgagag      60
```

```
caatgaggcc aattcgaagt ggttggatgc gcactacgac ccaatggcca atatccacac    120
ctttctgcc tgcctagctg gtggtagggg accttggccc tggtgggcag cagccccgcc    180
tgaaggtgct caaaggacca ctggtgatga ccgaaagccc gctacctgct ctgccagctg    240
ctgctgccac cttcctcatg gagcaacatg agccccggac cccagctctg gcacttgctt    300
caggcccttg tgtctatgtg tataagaatc tcagacccta cttcaagttc agcctgcccc    360
aattgcctcc aaatcctctg gaacaagacc tttggaacca ggccaaagag gaccgaatcg    420
accccttaac cctgaaggag atgctggaga gcatccggga gacggcagag gagcctttgt    480
ccatccagtc actcaggttt ctgcagctgg agctaagtga aatggaggca tttgtaaacc    540
aacacaagtc caactccatc aagcggcaga cagtcatcac caccatgacc accttgaaga    600
agaacctggc tgacgaggat gctgtgtctt gcctggtgct gggcaccgag aacaaggagc    660
tcctggtgct tgaccccgag gccttcacca ttttagccaa gatgagcctt cccagcgtcc    720
ccgtcttcct agaggtttct ggccagtttg atgttgagtt ccggcttgcc gcggcctgcc    780
gcaatggaaa catctatatt ctgagaagag actccaagca ccccaagtac tgcatcgagc    840
tgagcgccca gcctgtggga cttatccggg tacacaaggt cctagtggtg ggcagcaccc    900
aagacagcct gcatggcttc acccacaagg ggaagaagct gtggacagtg cagatgcccg    960
cagccatcct gaccatgaac ctcctggagc agcattcccg gggcctgcag gccgtcatgg    1020
ctgggctggc caatggagag gtccgcattt atcgtgacaa ggccctgctc aatgtcatcc    1080
acaccccgga tgcagtgacc agcctttgct ttggccggta cggcg               1125
```

```
     <400> 289
cggcccatgc tgctggtgct gcgcaacatc aacaccgtgc gcgctatcaa cgtggccctc     60
ggcgcccccg tggaccgcta cttccttatg gctaaaaggg ctgtccgggg ctggagccgc    120
ctggcgggcg ccacgtatcg gggtgtctac ggcaccagcc tcctgcgcca cgccaaggtc    180
gtctgggaga tgctcaagtt tgaagtggcg ctcaggctgg agaccttggc catgcggctg    240
accgccctcc tggctcgtgc tctggtccac ctgagcctcg tgcccccagc ggaggagctc    300
taccagtacc tggagaccta gggtgcagcc gcccagggcc agcagggccc ttttcacctt    360
gggctgacgg aggtggcggg gctagaggtg tagacacccc gagccccgtg ggcactcgca    420
ctggggggct gtgacagcag ctgggccagg aggccgtgta atgaccacac actcctctca    480
agcaaaaaaa aaaaaagggg gggccctttt aagggaacca attttaatta ccggggggttg    540
gaaaggtaaa attttttta tggggcccca aaattaaatt ccggggccgg ggtttaaaaa    600
cggggggggg ggaaaaaccc ggggggttccc caatttaaac cccttttggaa aaaa          654
```

```
172
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (129)...(1181)
<223> similar to gi179339 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 290
caccacctgt ggcttcatcc agccctcctc ctctatcttt atctgccata ggccgcagcc   60
ctggcccccct gtggattgag gtcccaagtg gtccagctgt ggggtttggt gctgggaccc   120
tcaatggcag ccggaaggtc cctctgaggc agaagctcaa gccccatggg gacagtggct   180
ccccagtgcc tggccctgag ccatttctgc tgtttcaggt gcccacatca ccctcatttc   240
ctcctcgcag tagccctgca ccgtggccag aaacccatcc acaggcaggc agtggctggg   300
gtccgggtgc cctgggctgt tgggctctgc ttcctccctc tgctccccca tgtctccctg   360
agttctccca cctttgctca tttgtaaaat gggcaggtca atcttcccac cccaccgtgt   420
gggctgcccc aaccccaaat gtgcccaggg agggggggga acccaaggca caggccccgc   480
ccctgccccc aagcagcact gggctactgg ctcgcagaag cacctttggt tctgcaggtc   540
atgcccctcc ctgcagggaa gggaaagctg gtggtagagg ctgggcacag actgacgtcc   600
agaagaagtc ccttggccct gctagggtgg caccagactt ctctggtccc acaggacagc   660
cagtggcctc ccaacttggt tctgggcccc cgcctgcaag cgcacatggc ggggagggct   720
ttagcaggct cacataaccg agtggcaagg cccctgctcc cagaggctgg atttgaatga   780
actccgggcc tgtttggggа ggtgaagctg ccaggtgtgc acaggggcct cccaggctcc   840
tggctccacc agccaaggag gtggggcaa gggtcagggc aatgggggac aatgccgctc   900
agggtgcagt gagctcccct gggaaaaccg aagccagcaa gaccaggaga gggccacctc   960
actgggcctg cctcccccac ctcctgggcc tctctgacct cagctcctag accctggacc   1020
cttggctggg actcagcatt ttccagtctt tttcaggggt agacagggga gcctgggtta   1080
aactttacca ctgtgccctg gcccaggcat caccaacacg gcctccctgc agctgccctg   1140
ccaccgacag accccgatta aacccacacc tggccttggc ctcccctgct ctatgccttg   1200
catggttttt gcctcacttg gaataaaatt ccaactcctc aa   1242

<210> 291
<211> 976
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(977)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (272)...(407)
<223> similar to gi4809337 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

173

<400> 291
```
gcttttgaga gggggcttct gaagcccaga gaacttcatg ggccttggac gggctcagca    60
gagaggtcgg cctgaccacc ctggaccagt atgggtgcct atcggtaaag gccagctttt   120
ccacccagcc tgccactgtg gggtggggcc tgcctatacc cctgccctcc cagctgttct   180
ccttgcatcc agaagcccct gcctgatgcc tggtgagaag gccatggcca aggagggctc   240
ggccctgagg ctgtgtgtgg cctgtctccc tcctctgcag ggtttcagca gcctgaggct   300
ccggcccatt cgcacgctga gctctgccgt ggagcagctg aggggctgca gggtggtcgg   360
ggtcatcgag aaggtgagtg agtggacact cgccttgcag gagggagaca gtgtatgcaa   420
tttggggtgg cggtggggag agagacatga tatgctgaaa gcaggtctgt agcagtggcc   480
cccactcctc cagaggaggt gggcagggt cagtggggag tgcgagtgca gttgtttcca   540
gcagttccca cctctccccc atccctaaca cgcatgactt tggtcctggg tcctggggag   600
gaaaatgcag ggaacgggaa gaggctgatt nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   660
nnnnnnnnnn nnnncaagca ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   720
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnngata agataacata tatcatgaaa   780
gacaataaaa taaaatatat aaagaagagg cagacaggcc ctttccacag ccctgcagct   840
cagatccaga aaacctgctc cttgggagag ttgggacaga aactgcggga ggagcgagga   900
gctatgccca gggcaccctg ccagtcctcg aggccctgct caaacccact taaccgcttc   960
ccacagcacc tgtatt                                                   976
```


<210> 292
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (72)...(825)
<223> similar to gi5174770 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 292
```
ttttttttttt cttaaagctt attttataaa gctttttcat aaaactggtt gtagttgcac    60
agctactggg agggcagccg gggacacctg agccgcccgc tgtgcccaga tccctcaggc   120
tgcctgccat cagaactgct gcccggggct tcccctacct cagacagacc ctccctggga   180
ggatcagtgg ggagtgccac ctctgccccc agtggctgtg gcacgtggca ggggcccctg   240
aagctcagcg agggtcaggg cctgggaggg tatcattgct ggaagaacag gatggggctc   300
aggccagccc tagtcgccgg ggcccacact aacccccac ttatgaattc ctcccactcc   360
caactcacag gggatttccc gagaggggac ctgccaaaga cctcctccag gcctcccatg   420
cttccccggga agtgaagctt ctccccctct ggggcaggct ctgaagcctc ccgatgcacc   480
cagagcaacc ggggggctgc accagccact cgcctcccca gcacggccag gttcccgggg   540
ctggaggtcc cccccaggtc ctgggaacca acctgcagaa cacacacagg gtccctgga   600
gaggacgcgg ggacttccag ggcccgactc ctgtgagtca cagccccgca gctgctgcgc   660
caccccacc ctgactcatg cccccttccca gcagctcctc ccaggacccc atgtccttcc   720
cacatccgca ggaagggagt gcctggactc tccaggccca cctggggagc ccctcacctg   780
accaccagcc cctgagcagc ccagtaacac catccccgga attcc                   825
```


174

<210> 293
<211> 1338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (54)...(1330)
<223> similar to gi557822 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 293
```
ttgggagtaa agagcccgct cgcagcctgc atcgccgggg ctcgggacat aagtcatcgg      60
cggggaaatg gggctctgtc actttaagta cagctggagc cctgggatga aagcagctcc     120
atcagtagtg gactcagcga tgcctcagac aatctcagtt cagaagaatt caatgccagc     180
tcctcactca actccctccc aagtactccc actgcttctc gcaggaactc aacaatagtg     240
ctacgcacag actcagagaa gcgctcactg gcagaaagtg ggctgagctg gtttagtgaa     300
tcagaggaga aagcccctaa aaaactggag tacgacagtg gtagcctgaa gatggaacct     360
gggacttcta agtggcggag ggagcggcct gagagctgtg atgattcatc caagggtgga     420
gaactgaaaa agcccatcag cctgggccac cctggttccc tgaagaaggg caagacccca     480
cctgtggctg taacttcccc catcactcac acagcccaga gtgccctcaa agtcgcaggc     540
aaacctgagg gcaaagctac agacaagggt aagcttgcag tgaagaatac tgggctccaa     600
cgctcctcct ctgatgctgg tcgggaccgc ctgagtgatg ctaagaagcc cccctcgggc     660
attgctcgcc cctccacttc gggatccttt ggctacaaga agcctcctcc tgccacaggc     720
acagccactg tcatgcaaac tggtggttca gccactctca gcaagatcca gaagtcctca     780
ggcatccctg tcaagccagt aaatgggcgc aagactagct tagatgtttc caacagtgca     840
gagccaggat tcctggctcc tggagcccgt tctaacatcc agtaccgcag cctgccccgg     900
ccagccaagt caagttctat gagcgtgacc ggcgggcggg gtggacctcg ccctgtgagc     960
agcagcattg accccagtct cctcagcacc aagcagggag gccttacgcc ttccagactg    1020
aaggagccta ccaaggtagc cagtgggcgg accactccag ccctgtcaa tcagacagat    1080
cgggaaaagg agaaggccaa agccaaggca gtggccttgg actcagacaa catctccttg    1140
aagagtattg gctccccaga aagtactccc aagaaccaag caagccaccc cacagccacc    1200
aagctggcag agctgccacc aacccctctc agggccacag cgaagagctt tgtcaaacca    1260
ccctcactag ccaatcttga caaggtcaac tccaacagtc tggatctacc atcatccagt    1320
gataccaccc aatgtatt                                                   1338
```

<210> 294
<211> 1714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1715)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (252)...(1665)
<223> similar to gi264 in the genepept database release 114,

<400> 294

```
aggcgangnn nngnnnnnnn attgagandc ttgngnattg agcngcgttg cggancccca      60
tgcagagtgg tgcccacaaa ccccccttcc agagtcatct ctggtccacc ttgaagtccc     120
caggaaaatg acctcgtcct ccgcgggtgt gagccactag gcctgagagg acgccgggac     180
ggagctttca gagagggagg tgtcgggatg gcttgagggt caccaggtat taattaagca     240
cttgctgtgt gccaggcact ttcccacaca ggatggagcc gggccaccct cacagctcct     300
gccctgcaga cgctggcctt gtggagggag gcaggcagca ggagcagtgc tttctgggcc     360
tctgtagcca gagctggccc tgctgcagct tacgtctgcc tgcagcccag acgtcctcct     420
ggtcctcctg atgcccccga cctccacgga ggacgagcat ttccagccca gccctcccca     480
tcttcacctc gcactcccct gacacactgg gagcctcctg atccgtgaac ccgcgctggc     540
gggagtagct actgaccgct ggggacccct gcccaggctg ttcgcatgtg gaaaggattc     600
agggagcagg cgatgcccaa agcgtggaga ccagcactgc tctctcccca gtgacaggtg     660
cacgcccaga tcacggatgt gtcgggaaca gctgtgctcc tgctgctcag cgtccgtcac     720
tccaggctgg gagcgggtcc ccaagcttct ggctgggcct atccgtctcc actctcagtg     780
tgggggtggg gggcgccaac agcacgcatt tgctctctgc acttctcgtc tgataatggg     840
cagagggtcc ttctgcagcc ccaaaacatc cctaggcagg agccctgggg ccccaagcag     900
ccagggaggt gagcaccaag gacctcccag agagcgtcac cttccgtcga gggaggccca     960
gcctgggggc ggtgtctgag acttggaatc aacgcttccg ttggtggcag taaatcctgt    1020
ccctaaccct gcagtatagc tgtgccgtgt acaggagggt gttgtctgac gccagacacc    1080
tggactacag atcgcagcct gattcctggt cattgctcca ctgaacccca gaccccagcc    1140
tcgttctggg ccctcatccc ctagatccag ggaccccagc cccatttcag cccttgggcc    1200
cttgtaggat gcgaggccct gggccccagc ccccagccca tccgtgttcc aggcactggg    1260
gggctgaggt cctctgagaa gggacacagg gcctggggggg ctctctcagc ccatcagcag    1320
gagaggactg actccagaaa aatcagcgtt tgtacccact caggctgcca agacctgtgt    1380
ccgtccttcc aagctcaacc ttcagagttc atgaggcgcc cttgccccag aatgtcccac    1440
agagttcatg aggccccttg aatgtccaca gagttcatga atgaggctcc ttgcccggaa    1500
tgtccacatt tgaaacctcc caacaccgag ccccatttca agtataacca ggagggaaaa    1560
tggtgcttga aataagcatg ccacaaagga aaacctgctt tctcgaaatg ggccctggcc    1620
gcccaggccc tgacctcccc ggccaggatg gaacgttcca gagacccatt agtgccaaag    1680
gcaaatgaaa acacaccctg tgaaaaaaaa aaaa                                1714
```

<210> 295
<211> 1524
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1525)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (7)...(1335)
<223> similar to gi159714 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 295

```
ccccacccctt ctgggcccag gattacacac agccacgcga gggagacagc ctgccagcct    60
gctcagagca gcaccctggc ccccatggag ggcagctgcc cagaggtggc cgtcagggcc   120
cagagcttcc atctcacgtg tgcagagccc aggcctggcc ggactgggca ggagccctcc   180
agtgagcgtc cccatgctgg tcaaggggct gggctttggt cagggtcacc gtgggggagg   240
ggccgcacac aacccaccca cgctcccaca gagggagcca cgcctaggtg cccactgcgc   300
ccaagtccac gaggcagtgg gcgtgcaggg ccaactttaa tacgggccgg cctgtctggg   360
ggtcgaggtg gccgctccct ttgtccttgt ggctttccac gggcaggggc ggtcccagcg   420
agatcgtctc ataaccaaac cagccctgtg cacgagaagt cacgccatgc cccacagcct   480
ccggtcctgg ctgctggtgg ctcggggacc cgcagggcag gagggtcccg ggtctcgcag   540
ttccatgagc cccagccgcg gggacccccca tggacaaact tccggggctg cacctgccgg   600
agcagcgtct cccaagcatc ggaggtcctt tctcagcagg gctgagccct agtggacaga   660
gccgtgagtg gcaaggcggg agtcagggct ctcggagtcg tcaattcagc aagaaagccc   720
ctggcccgcc accttcaaac tggaggtggg tgtctagggt gcggaggcag aggcacagag   780
aggttcagca catgctggtc tcctggggat cccccccacca gcagggaagc tgaggtgcgc   840
cgggaagcca ggccaaggga gggacccctt aacggaagcc tgcaccagct aatgggagca   900
gcgaggagca agaggaagcg cggggacccc aaggtctgga ggtgtcttcc tcacagacga   960
gcgcgagcca cgcggggctg ggactgcagg ggaacagcac cagaggcgtt gggcctgggc  1020
ctcggccacc ggnggagccc acaaccggca gaagctgggc tcggtcgaga gttaatccgg  1080
actgagagca ggccagtggc gcctgagtgc gttcaggctc aaggtctcca ggagacgctc  1140
tggagtcctc ctgcaatgcg cctgcgtggc tgcagctctg ctcagcaccg tgcgcactgg  1200
gctccaggga acccggtcag gggctggccg tgacccaaac tctctgtggg ccacagtccc  1260
tggggcatcc ccgtgagtcc cacaagacga ggccacgtta cgaagctgcc accagctccg  1320
cctgcctggg cctggccttg acaggdacgt tttctgtgga ggaaacagag atgtttatga  1380
cacgccaaag acccacaggc agagacctcc agagagggac gaggccacag gggtggcaag  1440
ggccagttcc ggggacttcg cactatggaa gggcacgccc agctctgggg gaggcaagtg  1500
acaaacagga agccaatggg gctg                                         1524
```


<210> 296
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(490)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(433)
<223> similar to gi1045574 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 296

```
ccatcctgtt cgagcccaac cagacctggc ccgggcacgt ggctgtgtgg caggacacgt    60
gctccatcgt ggccatcttg ctaacatcac gcagaaggtg caccccgtca tctgatctct   120
caccagctac cctttgactg cacccaggct ctggccgtac ccaagcccat aggtggggtg   180
```

177

```
gtggtctttg tcgtcagctc gctgttatac ctgaaccaga gcattccccc gtacggtgtg    240
gctctcagca gcctcaccac aggcaccgca gctttcccgc tgtgcaccca gctgggtgtg    300
tgaatcaccc tggactgcgc ccaggccacc ttcatctccc atgacaagat ggtcatctcc    360
ctcaagggca gtcagatcta catgctgacc ctcatcaccg atggcatgcg tagcgtccga    420
gtgttccact tttagaattc cnccacactg cctagaggtc tcgatgggnn tctatnncgg    480
gggcgcgcg                                                            489
```

```
<400> 297
agggtacaga gggcaagggg agctaacggt gctcaagccc acaccctaca tcctcacatc     60
aaccccctga aggagtgtcc agcacagtcc acagcctccc tgggcgattc tgggttcctg    120
gctgggccac ccagagccag gactgggctc caggtgcagc caaggtgctg tccctgcctc    180
gatgtccccc attatcttcc ccagactaca acacggtgca gactgtgggc atgactctgg    240
caaccatctt gttcctgctg ggtatcctca tcgtcatcag caagaaggtg aagtgcagga    300
aggcggactc cagcccaacc tgcaaatcct gtaagtctga gcttccctct tcagcccctg    360
gtggcggcgg cgtgtaacac cttcccgagg aaactccgct gccgaccctg cctgagcgcg    420
ggagcctgag gaccgggtgg aggcggtggg gacccagccg cgcgccggga gcgctccccg    480
gaatgagccg ccccacccac cccaaggctg gagccgctgc accctgctgt ccctctccag    540
gccttggcaa tgacgatccc ccaaagagcc cgtctgcacc ccagacccag ggcctcaggc    600
ctccagctcc tgggatccgg gagtccatcc cggcccagca ccccccagcat ccccgtgtat   660
ggcccccctg cacctccttg tctcatcccc gaagatccgt cccccctggcc cctcagtgtc   720
catgtcttga gcttaataaa tgtgcatttg gttttttcct ttgaaaaaaa aaaaaaa      777
```

178

<400> 298
```
cctgggtggg gacgatcctg ccaaaagggg ggtgcccagg gtctggactg aagaagctgg      60
atgatgtctt cccaagattg ccggggccac gagtcaggaa tcgtcatgga gagaagccaa     120
ggaaatagct ccagccgccg aggaccacac tctccgctca gccctctcga ctcatcctcc     180
ggctgcagta gagggcgagc gggctccgct tttgttccct ggggctggca ggtccgtgtg     240
gggccagggc gcgcgggaga cgccgcggag ctgggtatcc cggagagggg atgctcactc     300
ctagcggctc cgctggcagc agtagtggcg gtggcagcag aggcagcggt agcaacagca     360
gcagtagcag cagcagcagc agtagagata gtgccggctc tctgcaggcc acgaattgc      419
```

<210> 299
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(479)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(445)
<223> similar to gi1698455 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 299
```
tcctgaaaca tttcttcaaa gaattacaga gaattgtaat ggagatgaaa tatggcttta      60
ccagtgtgat cctaaagaca aagcagagtg aaagtgatgc ctaccaagaa acggagtggc     120
tccagtcaaa gcaaaagcag accagtcaag agcaaaggtc atagcaacag ttttttttttg     180
aatgctcagg gcattttgct tgctgacttt ctttaggacc aaagaatgaa aacatctgct     240
tattacaaga gtgttttgag aaagttagct aagatgtagc agagtaactc ctgggaaagc     300
ttccccagag attcctccac cataatactt ctactccttc ctctcatcag acgagggcaa     360
tttttcgaga gtttcaatgg gaaatggtta ggtatccacc ttacagtcct gattgggccc     420
cttctgactt cttttttattt tatgagacag ncttgctctg gtgcccgggc tggagagc     478
```

<210> 300
<211> 1218
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1212)...(277)
<223> similar to gi4960163 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

179

```
        <400> 300
gggatcaatg gagcccagga cttttgaggc cagcctgggc aacatagcaa gatcccatct      60
ctacaaaaga atagaaaaat tagccccagg agtatagctc aggggtagag catttgactg     120
caaaaattag ccaggcgtgg agatgtgtgc ctctagcccc agctactcat gaggctgagg     180
caggaggact gtttgagcct gggaggtgga ggctgcagtg aactgtgatt gcagtccagc,    240
ctggatgaca cattgagacc ctgtctctaa aaaagaagga agcccagcgt tcccttctct     300
ctccacttcc tgtccccatt gctgtccctg gagtacgggc agcacaggtg aaggcgaggg     360
ggacagacag acagcctgcc cctccgtctc ccgtggccct gcagcccacc ctatctgctc     420
caggttctga agaaggcctt ccaggccacg ctcaggtggc tcctgagctc acccaagacc     480
cccggctgct ctgatctcgg ccccctcatc ccgcagttcc tcagagagct gttccctgtg     540
ctgcagaaac gcctgtgcca cccctgctgg gaggtgaggg actccgccct cgagttcctg     600
acccagctga gcaggcactg gggaggacag gctgacttca gatgcgcact cttggcttca     660
gaggtgcctc agctggccct gcagctcctc caggaccctg agagttatgt ccgagcgagt     720
gcagtgaccg ccatggggca gctgtccagc cagggcctgc acgcccccac cagccctgag     780
catgcagagg cccggcagag cctgttcctg gagctcctgc acatcctctc cgtagactcg     840
gagggcttcc cacggcgggc ggtcatgcaa gtcttcactg agtggctgcg ggacggccac     900
gccgacgcgg cccaggacac ggagcagttc gtggccactg tgctgcaggc ggcgagccgg     960
gacctggact gggaggtccg cgcccagggc ctggagctgg ccctcgtgtt cctgggccag    1020
actttggggc cgccgcgtac ccactgcccc tatgccgtgg ccctacccga ggtggcccca    1080
gcccagccac tcaccgaggc actgagggct ctctgccacg tggggctctt tgacttcgcc    1140
ttttgtgcct tgtttgactg cgaccgccct gtggcgcaaa agtctgtgac ctgcttctct    1200
cctgagggac aagattgt                                                  1218


        <210> 301
        <211> 1087
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1088)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (1087)...(270)
        <223> similar to gi3044086 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters


        <400> 301
tttttttta gcaatatata tatataattt atttacattc acgcccgata aaacccctat      60
gtgccccggc ggccggcaaa ggctgtgtac ataaggccaa gagtaagtgc gtgaatgcac     120
ttaagacaaa gtcaaggaca cgagcttcac atgacaggcc ccgcgtgggc gacccagcca     180
gaccctgggg acgggcacgc cacgccacac acacactcac cactgtacag cctgggactc     240
ccattgcata ttcacaggcc ccgccgggca gggcacctca aggctggggg aggggcaggg     300
gcagggagga gccgtggggt gtccctgggt gggtggagag ggcagcatgt gagaggcaaa     360
```

```
tgtgcaccaa cactgggcgt gagacgtgag cagcctcagg tgtacggcat gagatgtgtg      420
tggttggggg gtgtctgcgt gacccgggag gggggtgtgt gtgagatgag cacacgaggc      480
atgcgtggca cgtgctcgtg tggtggtcgt gtgcctgaat ccaggggcta ccccctgtcc      540
ggctgtggcc ctcggtcctg caggcttgga gcagggcccc tcagacgtgc ccctacccag      600
caggcacaga aatgtttgca taaggtccag ctcaggcagg agctctgggg ccctggccca      660
ggcccagtgt gtgcgtgcat ggccgtgtgt atgcggggcc cctggagagg acgggagga      720
gaggtagcat cacacgcaca tacacataca cagatgggct gggcctggcc caggctccag      780
gcactgtccc tcctgggccc tggggccgag tgtgagtggc agtgccagcc tggctaggca      840
ggccatggag aggtggggagt tcgggcaggg tctgaaggac cagcattaag ggacagcttc      900
ggccgggagg gggcctgtcc gagcagctct ccccggtgtg gggaagggcc cctgtccggc      960
ttctgcctgt ccttggtggg tgccaaagct ggtgagagtg taggtgtcgg gcctggccgg     1020
cctcagcgct cagtgacttc nccnctcggc ctagggtcta cgattctcaa ttnnnnnggg     1080
cgggggg                                                               1087
```

<210> 302
<211> 1243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1244)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1243)...(55)
<223> similar to gi57829 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 302
```
agcggccgcc cggggccccg cccccccagga aagcctccag ctcatcggca gccgtcctct       60
ccctgctgcg cggggggccgc tgctgccgcc gtcgccgctc ctccttgccc tcctccttgt      120
ccttgctctt cttgtgtttg ctcttcttct tggcagcttt ttcttcttcc tctttgcctt      180
ttttcttctt cttcttattc tccttagagg gggttttgcc ctccttacct tcctcactgc      240
tctccttggg tccggcctcc tccagcccca gcccgaagag gtccgagtca ttcttcagtc      300
tgaaggcggg aagagggagc ttggggggtg ggggcggctc ggcagggccc tcatcctcgt      360
cagtcacatc ggaggggtca tctcgcacgg gaaagtcatc cgccctgcgc tgtgtgtctg      420
atccctcgct ctcaaagtcg gggtcatcca tgacgaagga cagcatttgt gcagcaatgg      480
gtccctcggg gtcactctcc gacgaggagg cctgctcacc cttccccggc tccatctcag      540
caggggggcct ggtgctgctg cgcttctccg gacctgtgcg aacagagaca ccgcctggcc      600
agggggggtgc tgcggtcctc gtgggagctg tcccctccg tggcttcgaa gctggtatgg      660
aggaccactt ggtctctggc tctgagcact gctggggagc tggggcaggg ccttttgtgg      720
gagctgccac ttctgcttcc tcctcactcg aaagagtgat gtcttgactg gggacggggc      780
ctgcaggcag cggggggactc ccacgtggct ggtcttcgag gtccacatcg tcctggaacc      840
ctgccaccat cgggttgccg cccagggcct ccccatcact gtcgctgtcc tgctgggcag      900
ccttggcccc caccttcttc tcgtccctgg cggggggttgt gtcttccagg aagctgcggt      960
ccaggcggtc gtcaggaaca aagtcctcca cactctggac cgttgctggg ccctgtgcgg     1020
ccgggactgg ctctggaggt ggaggggctg cctcggtggc aggtgacgtc ccaaacagcc     1080
tagagatgat gctgcgccgt ggggcggggg ctgaggggca cgcaggtggg gacagggcct     1140
```

181

```
ctgagggtgg tacaggggc acagaggatg gtggggcagc gaattccncc gcnctgggct      1200
atggtctcga gggtttcaat nnnnngnhnt cttctcgaac gcc                      1243
```

<210> 303
<211> 1090
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1090)
<223> similar to gi2047346 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 303
```
gcggccgcgg aggaggtgcg gccccaaggg gaggaggtgc ccgctcaccg cagaccgccc      60
gcggcagagg ccgccccggt cgcgccgcgg cgggagcggc cggtggaggc tgcgcggccg     120
aggggggaggg ccgggggagc ggacgtcgcc tctgctggtc tcccacctcc cgccgccccc    180
cgcccgcagg ctcccaagcc ttagtcggcg ccgagcatcc cgctgccccg gaccctcccg     240
cgggcgcgca ccaggctcaa ctcaggctca ggactgcagg tagacatctc cactgcccag     300
gaatcactga gcgtgcagac agcacagcct cctctgaagg ccggccatac cagagtcctg     360
cctcggcatg ggcctcacca ttgaggcagc tccactgtct gtgctggtct gagggtgctg     420
cctgtcatgg gggcagccat ctcccagggg gccctcatcg ccatcgtctg caacggtctc     480
gtgggcttct tgctgctgct gctctgggtc atcctctgct gggcctgcca ttctcgctct     540
gccgacgttg actctctctc tgaatccagt cccaactcca gccctggccc ctgtcctgag     600
aaggccccac cacccccagaa gcccagccat gaaggcagct acctgctgca gccctgaagg    660
cccctggcct agcctggagc ccaggaccta agtccacctc acctagagcc tggaattagg    720
atcccagagt tcagccagcc tggggtccag aactcaagag tccgcctgct tggagctgga    780
cccagcggcc cagagtctag ccagcttggc tccaatagga gctcagtggc cctaaggaga    840
tgggcctggg gtgggggctt atgagttggt gctagagcca gggccatctg gactatgctc     900
catcccaagg gccaagggtc aggggccggg tccactcttt ccctaggctg agcacctcta     960
ggccctctag gttggggaag caaactggaa cccatggcaa taataggagg gtgtccaggc    1020
tgggcccctc ccctggtcct cccagtgttt gctggataat aaatggaact atggctctag    1080
aaaaaaaaaa                                                          1090
```

<210> 304
<211> 1041
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1042)
<223> n = a,t,c or g

<220>

<221> misc_feature
<222> (87)...(1041)
<223> similar to gi2317964 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 304
ttttttttt ttttctgtag tacgcgtttt atttagaacg ccatcctttg gcgagtaggg   60
gggtatgttg gaggcgtttt gcagcgcctc ctgcctggga gccaggcgat ccgccaggtt   120
ctgggaggac ctaaggtcaa cagccacgcc tgctctctgg gctcacagtc agcagccgct   180
accaggagag caagtcctca gaaggcccga gaccagggcc cgggagcgcc cacaaggacg   240
ggaggtcacc cagtgacaaa cagggaaggg cagcaggtgc gcccaggaac ccagaggctc   300
ccagagcaga agtgggatgc aggggtgggg gcgggtcatg ctgaggttca acagggacct   360
gcttcctggt tcaacaggga gctggccaga gagagggatc tgctgaggct tctgtttaaa   420
aaccctggcc tgggtgtggg tgcaagtgga tttgcaggtg cagtgaggca gcggccggag   480
caggctgttg cacgaagacc caggaaagtc agggtggttt gatccaggca gaagaggggg   540
aaatggagcc tggggcagac gtaaaggtgc tggggtgagg ataagggtga caggagggag   600
gagtctgggg tgaccaaggc ctgcagctca ggtgactggg aaaaaacata aaacagaaca   660
cagatgaatg cagggtcgg   gacgaaggct cctgtgagtc tgaagtgact gtgagtggca   720
ccctctggcc agccacagtg gctctcacag ctcattctgc agagcaccgg cccagtgatg   780
agccgaggaa gtgcccctgg aggtcagctg gatctgccca gtggtctgca caggggcgg   840
ctgccagggg cctgagcaca gggaaaccct cgaaactgtg ggagggatga agccagagag   900
gtagacccca gaaccgacca agcccagcat ggggcgtgga gggcggccaa gctcaagaag   960
accatgagat tgggaattcc gccnctctga ganggntatc aatnnnnngg naggggggtcg   1020
aaggggggg   gggctggggc g   1041

<210> 305
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (292)...(72)
<223> similar to gi807677 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 305
gcagttttgc agtcatttat atctactta   aacacatgca gattaagggg tgatttgtgc   60
aaaaatttct agggaatggg taataacttt tgggtcatcg agtcaatgcc atggaagaga   120
gggggggataa ccccctggtg ttgcgatggc aacggtaaac tgacatggca actgatgagc   180
gtgtcttacg gaaagctcat tccacccag   ccctgtttca gctagtcctc aatttggtcc   240
agtgtccgag ccctgcctct ggagtcaagt cccacctcct acctcataaa gagagacata   300
aatcaatgga atagaatcga gagtccagaa ataaactcat acctcgatga tcaattgatt   360
ttcaacaacg gtgccaagac cattcagtgg gggaaagaat catattttca acaaatggtg   420
ccagataacg acatccaaag gagtgcaact gggcccctgt ctcacaccat ctacagaaat   480
taagtcaaag tgcctcaaac actaagagct aagactataa cattcttaga agaatacagg   540
gttacctctt tatgatcttg atttggtaat tgatttttag ataacactaa aagcacaagc   600

183

```
aacaatagga aaaaaaaaaa gtaaatttaa cctcatcaaa atttaaaatt tttaggctgg      660
gtgcaggggc t                                                           671
```

```
<210> 306
<211> 1771
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1730)
<223> similar to gi4868443 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 306
cttgggccga gggacgtttg ggcaagtggt ttagtgctgg aaacggggca ccaatgagat      60
cgtagccatc aagatcctga agaaccaccc atcctatgcc cgacaaggtc agattgaagt     120
gagcatcctg gcccggttga gcacggagag tgccgatgac tataacttcg tccgggccta     180
cgaatgcttc cagcacaaga accacacgtg cttggtcttc gagatgttgg agcagaacct     240
ctatgacttt ctgaagcaaa acaagtttag ccccttgccc ctcaaataca ttcgcccagt     300
tctccagcag gtagccacag ccctgatgaa actcaaaagc ctaggtctta tccacgctga     360
cctcaaacca gaaaacatca tgctggtgga tccatctaga caaccataca gagtcaaggt     420
catcgacttt ggttcagcca gccacgtctc caaggctgtg tgctccacct acttgcagtc     480
cagatattac agggcccctg agatcatcct tggtttacca ttttgtgagg caattgacat     540
gtggtccctg ggctgtgtta ttgcagaatt gttcctgggt tggccgttat atccaggagc     600
ttctgagtat gatcagattc gtatatttca caaacacagg gtttgcctgc tgaatattta     660
ttaagcgccg ggacaaagac aactaggttt ttcaaccgtg acacggactc accatatcct     720
ttgtggagac tgaagacacc agatgaccat gaagcagaga cagggattaa gtcaaaagaa     780
gcaagaaagt acattttcaa ctgtttagat gatatggccc aggtgaacat gacgacagat     840
ttggaaggga gcgacatgtt ggtagaaaag gctgtccggc gggagttcat tgacctgttg     900
aagaagatgc tgtccattga ttctgtcaag agattctctc cagtcggatc cctgaaccat     960
ccctttgtca ccatgtcact ctttctcgat tttccccaca gcacacacgt caaatcatgt    1020
ttccagaaca tggagatctg caagcgtcgg gtgaatatgt atgacacggt gaaccagagc    1080
aaaaccccct tcatcacgca cgtggccccc agcacgtcca ccaacctgac catgaccttt    1140
aacaaccagc tgaccactgt ccacaaccag ccctcagcgg catccatggc tgcagtggcc    1200
cagcggagca tgccctgca gacaggaaca gcccagattt gtgcccggcc tgacccgttc    1260
cagcaagctc tcatcgtgtg tcccccggc ttccaaggct tgcaggcctc tccctctaag    1320
cacgctggct actcggtgcg aatggaaaat gcagttccca tcgtcactca gccccagga    1380
gctcagcctc ttcagatcca accaggtctg cttgcccagc aggcttggcc aagtgggacc    1440
cagcagatcc tgcttccccc agcatggcag caactgactg gagtggccac ccacacatca    1500
gtgcagcatg ccgccgtgat tcccgagacc atggcaggca cccagcagct ggcggactgg    1560
agaaatacgc atgctcacgg aagccattat aatcccatca tgcagcagcc tgcactattg    1620
accggtcatg tgacccttcc agcagcacag cccttaaatg tgggtgtggc ccacgtgatg    1680
cggcagcagc caaccagcac cacctcctcc cggaagagta agcagcacct gtattgcggc    1740
cgcgctagag tatccaagat tgcgtctcgc t                                   1771
```

```
<210> 307
<211> 391
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(392)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 307
cattcaaaac agtatggtac cagtataaaa ccagacatat aaactattgg aacagaagac      60
agaacctagt aataaaccca cacatgagga caagtgagtt ttgacaatta tgccaagaac     120
acacagtgaa gaaaagataa tctcttcaaa taaatggtat tgggaaaact agatatccac     180
atgcagagga atgaaattgg acgcttatct cacactgtat ataaaaatca actcaatatg     240
aattaaagat ttcaatgtaa gtccttaaac tacaaaactc ttagaagaaa acagggaaaa     300
agcttcttga cattggcttt ggcaatgatt tcttggatat gacaccaaaa gcacaaaacc     360
acaaaagcaa aaatagataa gtctgattac g                                    391


<210> 308
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(571)
<223> similar to gi2723316 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 308
aaaaatctta caaaagtgaa gaatgtggca aagcctttat ccaggcctca actcctagta      60
aacataatta atgatggaga gaaaccatac aactgtgaag aatgtggcaa agcttttaac     120
caggcctcaa actttattga acaaaataat tcatacagga gagaaaccct acaaatgtga     180
agaatgtgac aaagccttta accagtcctc aatttttact aaacataaga aaattcatac     240
tggagagaaa ccctatgatt gtgaaaaata tggcaaaggc tttaactagt cctcagttct     300
taacacacat acgataattc ttactgcaga gaaactctac aaaccagtaa gatgtgacag     360
tgcttctgac aacatctcaa acttttctaa tcataaaaga aatcatattg gtgagaaatc     420
ctagaaatgt ggagaatgta acaaagtatt taaatggttg tcacacttga ttataggtaa     480
tattcatatt ggaaaaattt cctacaagta agaacaatgt ggcaaagttt ttaactaata     540
caccttattg cacagaaaat catttatatt tgagaaaaat tgtagaaata                590
```

185

<210> 309
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(910)
<223> similar to gi2317934 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 309
```
cgtccaggga gcactgccca caggccgagc cggggcctcc cgcaagagga aggaggtgcc      60
ctcaaggcta cggacctggg gtcccggtgg tggacgcccc atggggctca ggcctaaaga     120
ggccgagagg gcctcgggga cccagtgcat gccccacgct gagcagcaca ggctgcccca     180
ccgtgggctc cccgatctct ctctggatca ccgagacctc gcagggaggg tcatcagggg     240
cgccaggccc agggccacca cagtggaagg tctccccttc cccaggcacg taatcttcca     300
ggtcagccag tgtcagcatg cggccgttgt gcgtgaggat cttggggtca cgatccccaa     360
ggctgtgtgt gtcctgggac tcctccgtca caaaggcgtc tccgtcttcc ccctcttcct     420
ctcccgcctc ctccatggtg ccctcctcct ccaggctgcc catgccagaa gcagcccagt     480
ccacactgcc tctggcatcc acgcggaaga caaggggctc tctgacgccg accatggctg     540
tgccctgggc ccaggcctcc tgggccagca gcttgttgtt ggagttgttg gaattggggt     600
cccctccggg ggtcgcaccg ggcagtgtga agagatgccc cgatgagctc ctgggcacct     660
ctgtggtggg agacacaccc tgcgggccca tcttcttcac ccggacttca atggtctcct     720
ccacctccac ccacttgggc tggggccccg agagtccggg cagagctgga gagtgggcct     780
cggcctccgt cacatacagt gtgggcacca cgggcttctg gcctggttct gcctccggcc     840
tgcggggctg gccagcacct ggcaggtaca gcaggtcggg ggccagtagg cctggcctca     900
gcgggctggc agagca                                                      916
```

<210> 310
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(782)
<223> similar to gi4185939 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 310
```
tttttttgag caactgatgg ctttatttac ccaattgcaa acagcagtca ggagtagaat      60
gcatcctttt tacatcactc acattagggc tcatacacct cttccaggac ctttaactga     120
agggaatcaa atggctgacc gcctaattgc taatgcaatc tcaaatgcta gacactttca     180
caatttaacc catgtgaatg cctctggtct caaacgcaga tgcagtatta cctggaaaga     240
agctaaagct attatccagc gatgcccaac ttgccaaatg gcccattctt catcttttac     300
aggaggagtt aatcctcgag gattggaacc taactctgtt tggcaaatgg atgtcacaca     360
```

```
tcttccctcg tttgggagac tagcttatgt acatgtatgt gtggacacct tttctcactt      420
tgggctacag gccaatcagg agagccttct gcctgtgtta aatgtcacct cttgcagtgt      480
tttgcagtga tgggcattcc agcttctatt aaaacagata atgccccagg ctatcctagc      540
caaactctag ctacattttt ctctttgtgg aatattaaac acattactgg tatcccatac      600
aattctcaag gacaagccat agtggaaaga atgaatcttt ccctaaaaca gcagttgcaa      660
aagcagaaag ggggagacag agtatatgga accccataga tgcaactgaa tctagcatta      720
ttaactttaa attttctgag cctgcctaaa ggccagatgc tatcagcagc tgaacaatat      780
c                                                                       781
```

```
    <400> 311
tggggcagag gctgcggagc cccaggagga tctgcctccg ctttcacagt cctccagatt       60
tttccaagag cagcagaaaa tgaataaatc cctggggcca gtgtcattca aggacgtggc      120
tgtggacttc acccaggagg aatggcagca gctggatcct gagcagaaga taacttacag      180
ggatgtgatg ctggagaact acagcaatct agtttctgtg gggtatcaca ttatcaaacc      240
ggatgttatc agcaagttgg agcaaggaga agagccatgg atagtagaag gagaattcct      300
acttcagagc tatccagatg aagtctggca aactgatgac ctaatagaga gaatccagga      360
agaggaaaat aaaccttcaa ggcaaactgt gttcattgag accctgatat gaagagacga      420
ggtaatgttc ctggtaacac ttttgatgta gaaacgaacc ctgttccttc aagaaaaata      480
gcctatacac atagcctctg taactcatgt gaaagagtga tttaacgcct cttcagaata      540
tattagtagt gatggacgct atgcaagaat gaaagctgat gaatgtagtg gatgtgggaa      600
atcactcctc catattaagc ttgagaaaac tcatccagga gatcaagctt atgaatttaa      660
tcaaa                                                                   665
```

187

```
          <400> 312
gcggccgccc ccggccccgc gcccccctgcc ccggaggcga cccttccgcc ggcctcggcc       60
gcggggaagg actgggcgtt catcaacacc aacatctttg ccaggaccaa gatagacccc      120
agcgccttgg tgcagaagct ggagctggac gtgaggagtg tcacttccgt caggagaggt      180
gcagaggcca agaccgtttt gcccaagaag gagaaaatga agctgaggcg tgagcaatgg      240
ttgcagaaaa tcgaagccat aaaactggct gagcagaagc acagggagga gcggaggcgg      300
agggccacgg tggtggtggg ggacctgcac cctctcaggg atgccctgcc cgagctgctg      360
gggctcgagg ctggcagccg gcgccaagcc cgcagcaggg agagcaacaa gccccggccc      420
tcagagctca gccggatgag cgcagcccag agacagcagc ttctcgagga agaaaggacc      480
cggtttcagg agctgctggc cagtccggcc tacagagcca gccccctggt ggccatcggg      540
cagacgctgg cccggcagat gcagctggaa gatggcggcc agctctgacc agggcagcgg      600
gcatgccaca actcctcagg acacatgtgg gccaagtaga gagcgccggc ccctcaagga      660
ccatggcctg agcctggtgg acgcccttcc ctctggtcgg ttgtggggct caataaatgg      720
ctctgtgaac ttcccctgca ctgccagggc cgttcccaaa aaaaaaaaa                  769




          <210> 313
          <211> 669
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (340)...(669)
          <223> similar to gi1780975 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters




          <400> 313
ttatgacgta tgtacgactg gcgcagagcg acgaggtgac aggagaatcc gtaccctact       60
gcaccccctc attattattg tgaagaaaaa gagtggcctg accctccaga tctttctttt      120
ccagaggaca gtgggcaaaa attagttgcc ccagtgactg ttcaagcagc acctcgagcg      180
actgctctta gttctattca gtcaggaatt cagcaagcta gatgagaagg tgattaagag      240
gcttggcagt tccctgttag aatacacccc ccagatcaac agggaaatat tatagctaca      300
tttgagcctt ttccttgtaa attactcaaa gaatttaaac aagctattca tactaaaaaa      360
gaatgtagaa ataatcagca agtcagctgc cagatagggg aaaaagaaa actgctgagt      420
ctgaaatatg tccaacatgt aaaaaaggaa aacactgggc taatcagtgt cactctaagt      480
ttgataaaga agggaacctg atttcaggaa atgccatgag gggcctgtcc tgggccccat      540
tccaaactgg ggcatttcca gctcaggcca ttccctcaca cccgtacaat gtctgtcccc      600
cgccacagcc ggtagtgccg cagtagattt atgctgcaca aaagctgagg aattcctgcg      660
cactgcgct                                                             669




          <210> 314
          <211> 604
          <212> DNA
          <213> Homo sapiens
```

188

<220>
<221> misc_feature
<222> (1)...(605)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(604)
<223> similar to gi5080758 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 314
```
ccagcttaat cgccataaga acattcacac aggtgagaag gcatcttgaa tgtaaggaat      60
gtggaaagtc ctttaatcgt gtctcaaacc atgttcaaca tcagagtatt cgtgctggtg     120
taaaaccatg tgaatgtaag gggtgtggga aaggcttcat ttgtggttca aacgttattc     180
agcatcagaa aattcattcc agtgagaaac tctttgtatg caaggagtgg aggacgacct     240
ttagatatca ttaccactta tttaacatta ccaaattcac actggtaaaa aaccctttga     300
atgtaaagaa tgtggaaagg ccttcagttt tctgacacag cttgctggac ttcaggtcat     360
tcatactggc gagaagccat ttgaatttga gaaatgtggg aaggccttca atagtggctc     420
aaaccttgtt caacatcaga gtattcatac tggtgagaaa ctctatgaat gtaaggagtg     480
tgggaaaact ttcagattta gtttggtcct gactgcacat caaagaattc atactggtat     540
gaaaccctgt gaatgtacag aatgtgggaa gacctttagt tgtagctcan acattggttc     600
acat                                                                  604
```


<210> 315
<211> 1223
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (180)...(1082)
<223> similar to gi1813429 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 315
```
tatgccattg attgaatacc ttttgatctt actgtgcata ctaactttct tgatgtaaat      60
atttagtgcg atataaatat ttagtgcgtg atttccatag cagatgacaa gtttatattg     120
attataacat ggtctcggtt gatatttttc tgacaagtaa gtttagatca tgtttggatt     180
ttgtttccta ttacctagag ccaacacaga tctatagatt tctttgaact cggaatctca     240
tagcagtaag tagtcaacaa aattcatcaa tattatttct ctcttataac tgcatctgta     300
ttcaatttta acatttttaa aactcttttt gtagccaata tttttgcaca gaactcttac     360
ttacatgtct catcgaaact ccagaacaaa catcaaaaga tacttgaata cctaccaagt     420
agaaggcact atgccagcac tgcatagctt tccttgaaga agagcaatta ctgcccttca     480
ggagtgtata atctagtagg agaaataaaa tatttacatg agttttacat gtaggaaact     540
gaatgaaaag aaaacattta aagttgatga tatgttatca aaagtagaga aaatgaaagg     600
```


189

```
agagccagaa tctcagagct tgtcagctca tttgcagctt acattttggg tttcttccac    660
aaaaatgata agccatcacc aaactcagaa aatgaacaaa attctgttac cctggaagtc    720
ctgcttgtga aagtttgcca caaaaaaaga aaggatgtat gttgtccaat aaggcaagtt    780
cccacaggta aaaagcaggt gcctttgaat cctgacctca atcaaacaaa acctggaaat    840
ttcccgtccc ttgcagtttc cagtaatgaa tttgaaccta gtaacagcca catggggaag    900
tcttactcgt tgctatttag agtgactcgt ccaagaagaa gagagtttaa tggaatgatt    960
aatggagaaa ccatgaaaat attgatgtca gtgaagagct tccagccaga agaaaatgaa   1020
atcgtgagga tggggaaaag acatttgttg cacaaatgac agtatttgat aaaaacaggt   1080
aatgttgatg aacaagcgag gctcccacaa tgttctggaa atgttttcat tctgaagcag   1140
aatataatta tttatattga ttatttcatt gcctttgtgt tcttttttatt cttacggatg .  1200
aaaaaacaaa tttgcaaaca ctg                                           1223
```

<210> 316
<211> 714
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)...(715)
<223> similar to gi1017722 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 316
```
gattgtaaaa ttttgagacc cctctttgag accactagta cagtgcggtg gaattcgctt     60
ttaatgggtg ctccagcctt actcgacata agagaattca cactagagag aatacctaca  . 120
aatgtgaaga atgtggcaaa ggctttactt tattttcaac ccttactaac cataaagtaa    180
ttcatactgg agagaaatcc tacaaatgtg atgaatgtgg caatgttttt aactggcctg    240
caactcttgc taatcataag agaattcatg ctagagagaa accctacaaa tgtgaagaat    300
gtggcaaagc ttttaaccgg tcctcacacc ttactagaca taagaaaatt catactggtg    360
agaaactcta caaacctgaa aaatgcgaca ataattttga taacacctaa aacttttcta    420
aacataaaag acaccatcct gttgagaaac cctaaaaatg tgaagaattt gacaaagcct    480
tccaatgatt gttacacttg cttgtaggta agataattta tattggagaa aactttataa    540
gtgtaaagaa tgtgacaaaa cttaaccaat actcacatct tattgcacag gaaagcattt    600
ttacttgaga aagattgtac aagtataaag aatgtgaaaa agtcattgat atcttttcac    660
atcttactca acaccagagt ttatacttat taaaagcatt ataaatgcaa aaaa          714
```

<210> 317
<211> 1808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1809)
<223> n = a,t,c or g

190
```

<220>
<221> misc_feature
<222> (1808)...(3)
<223> similar to gi35019 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 317
tacgctctct tctttgagtg actttaagaa ctcttgattc tcattttcaa gaggtctagc    60
tatctcctgg tcaagagact tacagtggtt ctagatctac tttttctggg ggtcttaatg   120
tcatctgatc ctgttcccct agagacctcc gtcgctgttg agtctctttt tcaagagttc   180
tcaaatgtct cttgggtcct gttcttctaa agacctcagt gatttgtgat tctctgtttc   240
tagaggtctc acaatactct ggtcctcttc ttctagagtc ttcagtggct cctggttctc   300
tttttctaga gatctaaagg cctctttgtt ctcatcttca agagacctca ggggttcctg   360
attctccttt gtcagaggtc tcagtgcctc ctcatcccct acttctggag atctcagtgg   420
ctcttgattc tccttttcca gagctgtcaa tgactctaag ttctcttgca gagaacttac   480
taattcttga ttttccgttc ctggaaataa aaatgtctct agattacctt caagagattt   540
cattagttct tgattctcct tttgcaggga ttgcaatgtc tgtgtgtcct ctttttcctgt  600
aggcttaagt tggcctacag cctctttttc tagaggtctc actacctcca catcctttaa   660
tagctcttta ttttcctttt ctagactttt tagtgtttct aagtcttctt ctaaagacct   720
cggacattct tgattctccc tttctagtgt ctcatggctc tggttttcca gagtcttcag   780
tgactcttga atctcctctc ccagagactt cagggtttct ttttccaaag gaacctggga   840
gtcctggatt tccttcctgt ttagatcctc ttcttcccat atttcctgct gcaagctgct   900
taccactttg ccctctatgg ctgtttcttt ctctaccaac ccccagattt gcccttcacc   960
ttcccctcgg catatgctga acactctaga cccaccggat tctccatcct tagcctctaa  1020
actggagtgg tcagggctga ggggtggtgc caaggaggca tggtcctctg gggactggcc  1080
tgtactggcc tcttgccgct ggcccccagg ctcctctggt ccaggcagga cgctggcagg  1140
aatggccacc ctggcttcag cccgcagggg ctctggagcc tgtttcctcc caccctgtgt  1200
ctggagcaga gagagaggag catcctgggc tctgatctct gcatctacag caggagaggg  1260
tgcctgaggt gtggggggga tgggggtgct ggccaaggta ggggtacggg cctggaggaa  1320
ttcttggttc ttaagaaagg ctggcacagg tgtctcaagg gtagcaggca agggtgaggg  1380
gagggaagtt gggctcagga ctgggagcaa agatccaaga cgccggccct ctggggtcct  1440
agggaattgc agctccagct tggggtcctg aaagctgagg gaagtcttgg agccaccgcc  1500
aggtgtttgc agccgggagt tctcagcctc caggagggtc ctgtacgtgg ccacctccag  1560
gctgagggac atcttgaggt gcgccagctg ctgccgacct tccaggacct gagcgatctg  1620
gctctgtagg ccctgtttct cctgctccag ggcctccaca gccagctgga acttttcagt  1680
agcccgcagc cgctcctacc agcggccctc caacctctgt tccaccgntg ccntgcgctc  1740
caggaggcct gcggntttcc acgcctacta taaggtctcg atngggcgnn ctnnnnnnnn  1800
ntnccccct                                                         1808



<210> 318
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(718)
<223> similar to gi162885 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
        <400> 318
cctacaggtg agcatcaggc tgcaggagga tacccaggcc ttaggtagat atcaggccct      60
acaaggacac caggcctcag gtggacatca gggcccagtt ggggactcag gttctaggaa     120
gacacccagg cctcaagtag catcagggcc aaggcggata ctagactcca ggtggacatc     180
aggccctagt tggtcactag gccctaggtg gacacctggg tccctggtga ccatcaggcc     240
acagattaac tccaggcaat aggtgaacat atgatcccag ttggatatca gaccccagga     300
aaacatcagt ccccaggtgg atatcagctt ccaagttgac atcaggccac aagtggacac     360
tggacttgag gtgtacatca ggcctcagat ggacacccag gccccaggtg tacatcaggc     420
tcaggtggaa atcaaggcac aggtaacacc aaggcacagg tggttaccta ggcttcaggt     480
agacatcaga ccccaggtgg acacctgggt ctccggtggt catcaggccc taggtggaaa     540
ctcaggtccc aggtgcacat cacgttccaa gtggacaccc aggccccatg gtgataccca     600
ggttccaggt gggcactggg ccccagatga acaccaggct ccgggtggat accagaactt     660
gggtggacac ccagctctga ggtggacatc gggctccagg tggacatcaa gccccaggta     720
gatatctagt caccaggtgg acataagacc ccaggtcgac accagaacct gggtggacac     780
ctaggtttcg ggaattccgc cgc                                            803
```


        <210> 319
        <211> 2152
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(2151)
        <223> similar to gi1196429 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters


```
        <400> 319
aatgacccaa acaaatagtt gtccctttaa ccaaggaaca agttagacaa gcctttatca      60
attctggtgc atggcagatt ggtcttgctg attttgtggg aattactgat aatcattacc     120
caaaaacaaa aatcctccag tttttaaaat tgactacttg gattttacct aaaattacca     180
gtcacggacc tttagaaaat gctctgacag tatatactga tggttccaac aatggaaaag     240
cagcttacac agagccaaaa gagcaagtaa tcaaaactca gtatcaattg actcaaagag     300
cagagttggt tgcagtcatt acagtgttaa taagattttg atcaatctat caatattgta     360
tcagattctg catatgtagt acaggctaca aaggatattg agagagccct aatcaaatac     420
attatggatg atcagttaaa cccgctgttt aatttgttac aacaaaatgt aagaaaaaga     480
aatttcccat tttatattac tcatattcga gcacacacta atttaccagg gcctttaact     540
aaagcaaatg aacaagctga cttgctagta tcatctgcat tcatggaagc acaagaactt     600
catgccttga ctcatgtaaa tgcaatagga ttaaaaaata aatttgatat cacatggaaa     660
cagacaaaaa atattgtaca acattgcacc cagtgtcaga ttctacacct ggccactcag     720
ggaggcaaga gttaatcccc agaggtctat gtcctaatgt gttatggcaa atggatgtca     780
tgcacggtac cttcatttgg aaaattggca attggtccat gtgacagttg atacttattc     840
acatttcata tgggcaacct gccagacagg agaaagtact tcccatgtta aaagacattt     900
attatcttgt tttcctgtca tgggagttcc agaaaaaatt aaaacagata atgggccagg     960
ttactgtagt aaagcatttc aaaaattttt aaatccatgg aaaattgcac atacaacagg    1020
aatcccttat aattcccaag gacaggccat aattgaaaga actaatagaa cactcaaagc    1080
```
```
                                    192
```

```
tcaattggtt aaacaaaaaa aggaaaaaga cagtaaacag tataacactc ctcagatgca    1140
acttaatata gcactctgta ctttaaattt tttaaatata tatagaaatc aaaccactac    1200
tcctgcagaa taacatttta ccggtaaaaa gaacagccca catgagggaa aactgatttg    1260
gtgggaaaat aacaaaaata aaacatggga aataggtaag gtgataacat gggggtgagg    1320
ttttgcttgt gttccaccag gagaaaatca gcttcctgtt tgggtaccca ctagacattt    1380
gaagttctac aatgaaccca tcagaggtgc aagggaaggc gcctccgcag agacagagaa    1440
cccgcaatcg aacatcatcg actcgcaggg tgaacaaaat ggtgatatca gaaggacaga    1500
tgaagttgcc atccaccaag aaagtggggc cgctgacctg ggcccagcta aagaagctga    1560
cacagttagc tgaaaaaagc ctggaaaaca caagggtaac acagactcca gagaatatgc    1620
ttcttgcagc tttaatgatt gtatcaacgg tggttaagtc tccctatgtc ttcaggagcc    1680
gctacagcta actatactta ctgggcctat gtgattttcc caccccttaat tcgggcagtc    1740
acttggatag ataatcctat tgaagtatat gttaataaca gtgaatgggt accaggcccc    1800
acagatgacc gtggccctgc ccaacctgaa gaagaaggaa tgatgataaa catttccatt    1860
gggtatcatt atcctcctat ttgcctggga aaagcaccag gatgcttaat gcctacaatc    1920
caaaattggt tgatagaagt acctactgtc agtgccacca gtaaatttac ttatcatatg    1980
aaaagtggga atgtcacttg ggtcacaaat gaataattta cagcattctt cctatcaaag    2040
atcattaaaa tttaggccta actggacacc atgacagaag gaacttaacg acgaatcaaa    2100
agacacacaa ctcctagact gggaagacac tacggctgaa cctgcaatac ac            2152
```

<210> 320
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)...(763)
<223> similar to gi2739454 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 320
```
ccgtgcggtg gaattcgcct ggcaacgcgc agcaacccaa cgtccacgcc ttcaccccat      60
tgcagctgca ggagctggag cgcattttcc aacgcgagca gttccccagt gagttcctgc     120
gaaggaggct ggcaagaagc atgaatgtga ctgaactcgc agtgcagatt tggtttgaga     180
atagaagagc caaatggagg agacatcaga gggcattaat ggcaagaaac atgctgccct     240
tcatggcagt gggccagcct gtcatggtaa ccgcagctga ggccataacg gcacccttgt     300
tcatcagcgg gatgagagat gattacttct gggaccacag ccattccagc agcctgtgtt     360
tccccatgcc acccttcct cctccgtcct tgcccttcc actcatgctt cttccaccta      420
tggccacccg ctggccaggg ttgaatttgg gcccatttcc cttttgttat tcgtggcctt     480
cttttcacat ttccccaatg tctaaaggga tagcctctgt ggccactttt tgccagagtg     540
tctttgagcc agattcatat tttgcatagc accccatcaa aagtagttca tcaaatgtct     600
attaaacgtt ttaaagaaaa gtacatcatt gacccatttt tagggcactt gtaaaaatgt     660
ttctataaat atgtgaaggg tatgtacatt tgttttgtgt gtcacatggg gtcagtaagt     720
tctcaataaa aattgttaag aaatgccatt caaaccgaaa aaa                      763
```

<210> 321
```

193

<211> 980
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(961)
<223> similar to gi5262560 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 321
```
atatgggggaa ggcttatcct atcttataag ttttcaaaca cacataagaa tgaactctgg      60
agaaagacct tataaatgta agatatgtgg gaaaggcttt tattctgcca agtcatttca     120
aacacatgaa aaaactcaca ctggagagaa acgctataaa tgcaagcaat gtggtaaagc     180
cttcaatctt tccagttcct ttcgatatca tgaaaggatt cacactggag agaaacccta     240
tgagtgtaag cagtgtggga aagccttcag atctgcctca cagcttcgag tgcacggtgg     300
gactcacact ggagagaaac cctatgaatg taaggaatgt gggaaagcct tcagatctac     360
ctcacacctt cgagtgcatg gtaggactca tactggagag aaaccctatg aatgtaagga     420
atgtgggaaa gccttcagat atgtgaagca ccttcaaatt catgaaagga cagaaaaaca     480
cataagaatg ccctctggag aaagacctta taaatgtagt atatgtgaga aaggcttta     540
ttctgccaag tcatttcaaa cacatgaaaa aactcacact ggagagaaac cctatgaatg     600
caaccaatgt ggtaaagcct tcagatgttg caattccctt cgatatcatg aaaggactca     660
cactggagag aaaccctatg agtgtaagca atgtgggaaa gccttcagat ctgcctcaca     720
ccttcgaatg catgaaagga ctcacactgg agagaaaccc tatgagtgta agcaatgtgg     780
gaaagccttc agttgtgcct caaaccttcg aaagcatggt aggactcaca ctggagagaa     840
accctatgag tgtaagcaat gtgggaaagc cttcagatct gcctcaaacc ttcagatgca     900
tgaaaggact cacactggag agaaacccta tgaatgtaag gaatgcgaaa aagcattctg     960
gaaattcttt tcttttaaaa                                                 980
```


<210> 322
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(628)
<223> similar to gi807677 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 322
```
acatcaggat aaattctaaa cagatcaaat atttaaatgt acaaatggaa ccatacaggt      60
attagaagaa aacttgggta agttacatta caacctgaga gagagaaggt tttcctaact     120
atgactccaa atccagaagc aataaggaaa aggactgata aatacaatta catgaaaaaa     180
caacaacaaa agacttttc atggcaaagt atactttgca taagcaaagt taaaggaaaa     240
taacaaactg caaagaaata ctttcagctt acatcacaga tagagcttct aaaaatagag     300
aagaccagca accttagaat caggttaaac ctacattgct cagagataga ccaagatttt     360
```

194

```
tatagaaaaa aaaatataaa tggctctgaa ccatatgaaa atgtgctcac ttttgctctt    420
aataagagaa atgcaagcta aaactacccc tttctcaacg atccgattag taaaaattca    480
agattttgat aacatactct gctggcaagg ctatggggaa acagacactg ttagccatgg    540
ctggttggga tgcaaaatgg aagagccatc tggaggggaa ttcgggagta tatagaaata    600
attccccccct ggctagggtc tcagtcaa                                      628
```

<210> 323
<211> 721
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (688)...(565)
<223> similar to gi186774 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
        <400> 323
ggccggaact cctgggtcta cccacgcgtc cgcggcttcc taaagtgctg ggatgacagg     60
catgagcctc aattcccatc cataagctct taattcttaa gagacatggc gataattcat    120
ggtgaagagg aactttacaa acctgaaaga tgtgacagtg cttttcccaa cacctccaac    180
ttttctatgc ataaaaaaaa ttatactaca ccatagaaat gtatgaaatg tgacaaagcc    240
tttatatggt tgccacactt tattgtaggt aattcatact tccaaaatac ctacaagtat    300
gaagaatgtg gcaaaacttt taatcagtgc ttcaccgta tttcacagga aagctattat    360
ccttgagaaa aattgtacaa atataaagaa tatggaaaag ccattaatgt ccatcacatc    420
ttactcaaca gaagaaggtt cataaaagag caattactgt gacaaaaatc tttcagaaaa    480
tataagcctt taaggtgaag aagagtattg attctgaaga caagcattac aaatataaag    540
aggtttgtag tacctttgct tgtattacag atcttattgc ccgcgttttg tattagaagg    600
aaaccctaaa gcggttgcca aactttgtgc aacatcaggg aatatattga agaagattcc    660
tgcaaatgta atgagtttgg aaacacttct tagataaatt atttgtggct gggcacagtg    720
g                                                                    721
```

<210> 324
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (67)...(814)
<223> similar to gi4092510 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
    <400> 324
gcaggaattc cccggctcga gccggtgact ctctgagaac cagcccttct gtggcctcac        60
tctctgaaaa tgagctgcca ccaccacctg agcctccggg ctatgtgtgc tcactgacag       120
aagacctggt caccaaagcc cgggaagagc tgcaggaaaa gccggaatgg agacttcgag       180
atgtgcaggc ccttcgtgac atggtgcgga aggagtaccc caacctgagc acatccctcg       240
acgatgcctt cctgctgcgc ttcctccgag cccgcaagtt tgattacgac cgggccctgc       300
agctcctcgt caactaccac agctgtagaa gaagctggcc cgaagtcttc aataacttga       360
agccatcagc cttaaaagat gtccttgctt ccgggttcct caccgtgctg ccccacactg       420
accccagggg ctgccatgtc gtctgcatcc gcccagacag atggatacca agcaactatc       480
caattactga aaacatccga gccatatact tgaccttaga aaaactcatt cagtctgaag       540
aaacccaggt gaatggaatt gtaattcttg cagactacaa aggagtgagt ttatcaaaag       600
catctcactt tggccctttt atagccaaaa aggtgattgg catcctccag gatggtttcc       660
ccattcggat aaaagcagtc catgtggtga atgaacctcg aatatttaaa ggcatttttg       720
ccatcataaa accattctta aaggagaaaa tagcaaacag agtaagtgat gatcctattg       780
acttcagatt tttcttttcc tctgttgatt tatttgtgac atctggtact tggttattat       840
ttttgccctg                                                            850
```

    <210> 325
    <211> 438
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (10)...(429)
    <223> similar to gi|196425 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

```
    <400> 325
gatccttgag taaatatctt agttcgagga gaagtttaca aacgctctgc tcagccagtg        60
tttcaaactt tctaagatga actaaatgtg ccagtaccag aaattccagg aaaaacaaga       120
aatttgtttt tgcaattagc caagcatgta gcccagtctc tcagtgtcac ttcatgttat       180
gtatgtggag gaactgtgat gggagatcaa tggccatggg aagcccaaga attagtacct       240
acagacccag ttcccaatga attcccagct caaaagagtc accttgataa tttctggacc       300
ctgaagcctc aattattgga caatattgca tagctagaga aggaaaataa ttcactcacc       360
ccttaggaca acttagttgt ctgggacaga aactgtataa tggtaccaca aaaacagtca       420
cttggtggag gtcaaatc                                                    438
```

    <210> 326
    <211> 1152
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (56)...(1155)

<400> 326

```
aaatgtgggc cttaatctcc tccccaatta acgtcactgc ccgcgggaac acagcggcat      60
ttctgggggca ctcggcatgc cgggttccta acctcaatta ttcattctgc tctcaggcac     120
ctcctgacga gaccctggcc caggagagct cggctcgggg acagaggaat gagactcagt     180
gggacgcaga gcccaacccc atccccaccc ctggctggat ggggtctggg ggcagcagaa     240
tgtggaccac tcagcaggag gcttcctgac tgtctcctcc tgaaccgatg tcactcacag     300
gcaggggaca cgccatcctg gccccgcccc tttgggccct tggaatcatg gaggggtggg     360
gcagcctgtg cccatcccaa ggggaagtgt gcccctgggg acactggggg gctgccgggt     420
gcgccatctt taggggtgc actgccgggc tccagggtca tgcctggaaa catttcaggg     480
cctccctcac ctctggatac cgcctgcagg ggtgaggctg tgctgagctc tgcctgccct     540
gccaggacgg agggcatggg cctgtgtgga aaccccaggg ctccctgact cccatgaggc     600
ttctcaggga cttcctgccc cgagggtccc agcatctccc aggtggaggt cctcaaggat     660
gcccccacca gctccccaca gctactgtag caggaagtcc ttcttcccga acccagagcc     720
cagggcggat ctcccgggct cgcgcgccaag gtggaaaccc tcagggtcct gggggaacca     780
gggcccaggt ctggactcca ttcgggacct tcccagctcc ggggaatcac aacacagaag     840
taccccaggg gctgaagcca ctaggccccc gtggagccct ggccacctgc cagagccctg     900
gccctacgcc tggaaggcag agtcctggtc tccagactcg ctggggctgg gtgttcctgt     960
ccccgcgga gggcctgcgc aggggagagc tggtcccgcg tgggcctccc gattctcccc    1020
acgcggaacc agctccacaa aactctgttc tccaaggctc cttaggcaca agacttgagt    1080
tctcactaac ttacccaaaa cacaaccaaa cacaatccct gcctggaccc tctcctagcg    1140
tggcacgagg cc                                                       1152
```

<210> 327
<211> 1649
<212> DNA
<213> Homo sapiens

<400> 327

```
cctgcagggt cggggagaaa gcccggatca ggcctgcagg ggctcagggc agtggtggcc      60
tcatgtcagg gccgggttcc tggcacatcc acgacataca agccatcttt gcaactcact     120
tttattgttt ctttataaac ttcctctccc atggaggaat atattgttat agtcattagc     180
ttatctcttt ttttaaaact ctatgctaac agcaatggag ccaagaggag gaaaacataa     240
gctacgatag aaaggcactt agaacctgtt aaaatactga cgtcctggaa tgtgcaacaa     300
cacaccaatg acaaccacaa aaagtacacc ggccctgccg agcctggtcc gtcaccgagt     360
cgcatgctga gctcgtcggc cttccagtgc cctgttcctc cgctctgctc aagtcgcaaa     420
cccatgaccc cgccagggac ttaaggcctg gggccctcac aggggtgggg ggtgctcagg     480
gcctgggtgg ggcccgaaga aaggagacca gctccctcct accttgctca tagccccttc     540
gaggggcaga gccagtgtgg ctgggccctg tcagggctgg agtccaaagc ccagtggcaa     600
```

197

```
ggtgggccgg gtcagggtga cccctctggg acagaagggc agtccgggag agggtggggt    660
cagcagagct gccagaggac ctgcagggcc actaaggacc ccaaggctgt ccgggcagct    720
gcctcgtttt acagatgggg aggtggaagg gcctggccac tcagaggcct ggtgacaggg    780
caggcctaga agccagaact cccagctgcc aggtgggaga gggagcaggg agaggcccca    840
gatggggggt gcatggctgc gtccatccct cagggcgtcc tgggatggga ctggggcaca    900
aggccctcca gcaccaccct taagtggttc tggcccctgc cagggtccct ctgagtggca    960
cagaacctgg gggggcccac tgggtgttag gggtggggaa gtgcctctga gaaagcggcc   1020
cagcagggaa aagccagagg aagcaacgtg tcatgggtcc agcaccctcc tccagccact   1080
gcttccctca aggccttcag tccacagcct ccagaaagct cccaacacag cactgactgg   1140
gagcccccctc ccctgcatgc tgtcacttgg agcccccaga ccaggagctg tgtcccagcc   1200
tgtggtcggt cgtccccagc cagcctcccc cttcctgtta caggaccaag gacccaaagg   1260
cctctgcagg gggcgctgcc caggccaggc ccagcggggg tagaaggagg aagacggggc   1320
gctgggcctg gccccacatg ctccctgagc cagggcccag gtcactcagt atcttggcac   1380
cacagctggc ctggcacctc cccttgccag ctcaggggcc ctcggacctg cttcccacgc   1440
tcccagggtg ccccaaaagg tagagggagg agaccctggg gtgcaggggt ggagtggcca   1500
gctatcccgt ctggtactgc aggcctggcc tggggtgagg acggcggctg cagagcgggc   1560
ctcctcctaa ctagtgggag gcgccttgtc ctggggggca tgctcctcgt gccaagcttg   1620
gaggaatcac ggtcatagcg ttttttcaat                                    1649
```



```
<210> 328
<211> 1565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (80)...(1562)
<223> similar to gi930045 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```



```
<400> 328
tttttttttt ttgtctttta aaaacatcgt aacattaaca catggccgtt caccgtcccc     60
caacgatggg agctggcctg gggcccaggg tcctccagga tcttcactca ttcacagtaa    120
cggttttgac cagtcctcca ggtcgcacgt ggatgcgaca ggggtgggga gggaggagga    180
agtgactgtc ccccttcag aaaaaaaaaa acaaacaaac aaacaaacgc tgctagccac    240
tcagctttag agacccgatg gctatgggcg cctgcagcgg gcggggggtcc atttgcttgt    300
tctttgatac aaaaaggcag agaatccccc gttacgaaac atggaatcac tgacaggcga    360
gaagtgatgg gggaaaaagg ggtgggcgga atgcccgcta ccccccccagg ggtctttgga    420
aggggcagtc cacagatatg ggcagtgggg accagggaag gcagagcacc cccacggcca    480
ccggactgtg accatcatac gagattcagg aggggcagca gggccaggca gacggtctcc    540
gaggcccccca ccccccaggcc ccccgacatt caagtattct tcaagaacag ggaagcaaag    600
tccatcgatg tgttgttttt ttttaaggaa aaactaaaaa actaaacagg aggaagaatc    660
ccgaccgcgg atttagaagc cagagggggct gccccagctg tggagctcgg gggctgcgcc    720
gggaagggcg ggcggtgacc ctagccgcgc gcacttctaa agtggaaccc tgtattgcat    780
agaacgtccc cacccgcggg gagggggcag caggctccgc agcccccggg ggttggagca    840
tggagggtgg ggggactgag cagacccccg cattcctggg tgcccgaagg gaggccgagg    900
ccgcagccgt tttcctgaag gtggcagacc aaaaacactg ccctgggggt gaggattcgg    960
ccagaccccg gggtctgggc tcagctctaa ggacaaggac ggagctgacg gagcttccag   1020
gtcaggcccg aggggcggcg cgaggcagga cgtggctacg gtcagactga gccctgagaa   1080
ggggcactcg ggtgccccaa gggggtgtct tcaggacccc ccacattggc tgacagtgcc   1140
```

```
tgtccagccc ctctgcctgc tgcggtggaa acggcttcgg gccaggcggg gctcctgctg    1200
tctcaggcct tggtgtggag gggagggggca gcggcgagcc cctggggtca gctgcagttt    1260
aaggtcaagg tcggaggccg aatctggcca ccaggagtcc tggacagaca gacgggcctt    1320
gcaggaagcc ccgattgtca actatcatgg ggacaaggca ggcgcgggtg aagggctggg    1380
ggatcccatg gggtggggtgg gtgagctgcc tgccacctgc ctgcctgaca cctccagaga    1440
caggcagccc ctcccttccc caaccaagcc accaggggtg ctctcagggt gagggataga    1500
ggggaagagc ctgtccctaa aatactgcgg gctgggaggg aacacgaggg cagggtcctg    1560
tgccc                                                               1565
```


        <210> 329
        <211> 707
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (559)...(707)
        <223> similar to gi2580578 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 329
```
tagctgtttg tctcaagtta gttcagaata aaccacgagt gtgtggattg ctaaaataac     60
ttatttctaa atgctgcaag tcaaaaattg cagatttcct tgtctaacca gatgcagatg    120
ttatatgtta taaaggatca ggactccaac aggaaccaac atcactgcct tctaaaatta    180
gtggccttcc tggcatatga acacccttg ggcctgtgct ccagtgtctc tttgggttgc     240
tccttgggct ctttgtgaag gatcaagaca cccccgtagt ctaggccaat gtcaggctct    300
ccagtgtgtc ctgttcatca ccctcaccct gcacttctat tgttactgtc tttggctatt    360
ccaacactgt gcttgcatcc tgtggaaagt cacatttggg gtcaagtgaa tggtgttgtt    420
tctactcttt ggtgaaaagt atcagggtgc atttggcctt caattcagaa ggatgaggca    480
ggggttggat tcaggtgcac ccaacttttt ttgtgtgtgt gtgatggagt ctcgctctgt    540
cgactagcct ggagagagca atggtgtgat ctcagttcac tgcaacctcc acctcccaag    600
ctcaagcgat tctcctgcct cagcctcccg agcagctggg actacaggca cacccatga    660
tgcccagcta ttttttttgta tttttagacg agacagggtt tcacccc                  707
```


        <210> 330
        <211> 757
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (45)...(757)
        <223> similar to gi3880303 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

<400> 330

```
ttttctgggc ttggtgcatt tattcaggtt tgagagctga ggagggcaga gctcgcacag    60
ctgtgaggca gggctgggcc ggacaggagc tgcttcatcc ttcaacaaac cctggcctgg   120
ggtgaccagc ctggtggggg agatggagtc gggatggagg acaaagggggg gagcaggggga   180
cagagcccag gaggaagcaa gggagggcac aaaggagggg caggtggctt caggtgagaa   240
gcaggaggga gaaaggggac cagcagtggg tctaggggaa ggggctgggg tgagggaggc   300
tgagaagggg cagaagatgt ggcccacagc ggctcccaac agccccaggt cctcaggaag   360
cccctcacct gtccctgtcc ccatgggccc ccagactcac tgcagaccca ggaggcctgg   420
catagcgagt gtgcaggtgt gtgcaggtgt gtgcagacca gcacgtgtgc ctgtgcacgg   480
gtagacagca tgtgtgccag tgtgagtggc gtgtgtgtaa gtgggtgttc gcatgtggag   540
gcatgtgcca gtctgtacac gtttgctcat gcgtgagtgt gtgtgcatgt ggttatgcac   600
atgtaaagga ccagaggcgg gaatcagaag ggcacggtgg gcatccctcc aggàagagga   660
gggactcagg ctgacctcgc cctcccacaa gaagagtcag gccttggggg ccgcggctgt   720
ctgagtggtc aggctggggc tgccattaac ctctgtg                            757
```


<210> 331
<211> 1330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)...(1238)
<223> similar to gi2981631 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 331

```
ttttttttttt agaaaaaaaa attaaaaatt agccaggcat ggcggcacac atctactgtc    60
ctagctactt gagaagctaa gacgagagga tcccttcagc ccactagttc aaagttacag   120
aaaaccacgg ccacaccact gcactctagc ctgagcaaca gagcgagacc ccatcaacat   180
taaaacaaca acaaaaaaaa tcaatataat tcaccatatt aacaaactaa agctaaaaac   240
catataatta ccttgataga tacagaaaaa gcatttgaca aaattcaaca tccacctcag   300
ataaaaacgc tgaacaaact agtaagatcc ttaactgcta aaggttatct atgaaaaaca   360
aaggaataag atgcccactc tcaccacttc tatttgactt cgtactagag gttcaagcca   420
gtgtaataca gaaaaaaat aaataaataa gaagaagaag aaaaagaaaa ggaaaagaaa   480
taaaaggtat ccagggtggt ggaaggaaa agtaaaacta tcattattca caggtaatat   540
gactgtctat gtagaaaatc tgatggatgt acaaaaaagc tattaaaagt tagtttagta   600
tggttgcagg acacaatata aacatgcaaa aggctatgat agttttatat cctagcaatg   660
aàcaattaga aattaaaatt aagaaàgcaa taaaatagca ccaaatttat ataacccaaa   720
gcaatttaaa ataccccaa aaaatatgaa ctacttaggg aaaaatctga taagacatat   780
aaaacctgta ccctgaaaag tacataatgc tgttgagaaa aattaaàgat gacctaaata   840
aatggaaaga tatgccatgt taatggatca gaagactcgg tactgttagg atgtcaaata   900
tcaatcaaaa tcttgaaagg tttctttgca gaagttggca agttgactct aaatatgtat   960
ggaaatacaa agaacccaga atagccaaaa caactttgaa aagaacaaag ttacaagatt  1020
aacactactt gatttcaaga tttaatataa gctacagtaa tcatttaatg taagctacag  1080
taatcaagac agtgtggtat tggtataaat gtagaccaac agatcaatga aacagaacag  1140
agaatccaga agtagacgaa cacatataca gactaataac attttgacaa aagcaaaaag  1200
gcaattcatt agagaaagga tggtcttttc aacagatgaa tatctatatg aaaaaaaaat  1260
```

```
ggacgcataa cttatactac ttacaaaatt aacttgaaga attccaccac acggactagg     1320
gatctcgaaa                                                           1330




          <210> 332
          <211> 863
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (8)...(704)
          <223> similar to gi488555 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




          <400> 332
agagaatcac actggtgaga aaccatatgc atgcaaagaa tgtgggaaag ccttcagcca       60
aagctcagct ctcatacaac atcaaagaat tcacactgga gaaaaaccct acaaatgtaa      120
tgaatgtggg aaagccttct cttggatttc acggcttaat atacatcaca gaattcacac      180
tggagagaaa ccatataatt gtaaggaatg tggaaaagcc ttcagttccc actcaggcgt      240
taatactcat cgaaaaattc atactggaga aaaaccttat aaatgtaatg actgtgagaa      300
agccttcaac caaagctcag ctctaattca gcaccagaga attcatactg gagagaaacc      360
atataattgt aaagtgtgtg ggaaagcctt cagacagagt tcatccctta tgacacacat      420
gagaattcat acagggaaa aaccttataa atgtaaagaa tgtgggaagg cttttagtca      480
gagctcatct cttactaatc atcaaaggac tcataattga gaaaaactgt ataaatgcat      540
gtaggaactg aagttatatt ccatactgag tatcaaaaaa ttcattgtgg ggagaaagtg      600
atgaagagta gttaatcata ggtaaaactt cagcattaga cctcatcaca catcagagac      660
ttcatgatgc agggtaacct tgggaatgct agaaaagctt ctataaaatg tttattcata      720
tgttcttaag ttattaccat gaaatggaga atttttaaga ttgcagggtt agtatttgat      780
tgtctagtga tgtacgataa cagccaccag ctttcctgag catcactggg aagcctgctg      840
tttatgtaca agtacagcca taa                                             863




          <210> 333
          <211> 588
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (46)...(591)
          <223> similar to gi5931821 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




          <400> 333
```

201

```
aaattctact cccgattggg ccaacaccgc cccgcggcgc actgttatat accaacatat      60
tcctttttaat gtaatatatg agaaaaaatg ttcggcggcc tattcacctt actgaacata     120
tgagaattca tactgggggag aaaccttttca gatgtaagga atgtggaagg gcctttattc    180
aaagtgcatc cctcagtaca caccagagaa tccatactgg tgagaaaccc tttgaatgtg      240
aggaatgtgg gaaagccttc agacatcgct catcacttaa tcagcatcat agaactcaca      300
ctggggagaa accctatgta tgtgataaat gtcagaaagc tttcagccag aacattagct       360
tggttcaaca tttgaggact cattctggag agaaaccttt tacttgcaat gaatgtggga      420
aaacctttag acagattaga caccttagtg aacatataag aattcatacc ggggagaagc       480
cctatgcatg cactgcatgt tgtaaaacct ttagtcatag agcgtatcta acacatcacc       540
agagaatcca tactgggggag agaccctaca aatgtaaaga atggggag                   588
```

<400> 334
```
ggaggcagga ggcgaccacg tccaacaacg ttttcccctt caagatcatc cacatcagca       60
agaagcaccg cgcgtgggtc ttctcggcct cctccgagga ggagcgcaag gtgactgggg      120
gtccgaggac gagtgcaagg tgactggggg tgtgggcctg caggcaccag gctggacctg      180
ctaccccccg aaggatgagc gatccccctc tgagcaccat gcccaccgca cccggcctcc      240
ggaaaccccc ttgcttccgg gagagtgcca gcgcccacac aaggaacatg ctgtcctggg      300
aggtgcccct gtgggctgag gggagccaca cagccatgtt gtatccagcc gggtcgcctc      360
ctctgacctt gggagtcaca gcagagcang cagggcagg                             399
```

```

```
<400> 335
accaggttgc caaactgttc tacctttctg gaatggtgca tggagaatat caaaaccaag   60
aaatccacaa tctgggccat tttattacag ttatgaagtt taggcctctc atggcaaact   120
tttcaccctt atatcctggc agacagttaa aaggatggaa gatttgacaa acccggagga   180
tatccaaaca aacatcaaat gtgacctgca ggtgtcactt tatggttatt taagaggagc   240
acacttgaaa aataaaagcc aaattcacat gccaggacaa ggtggggctc acccatgagc   300
tggtccagag tctcatctcc acctactcca ccattgatgc caagatggct tcaagtcgag   360
tgatgctgct ttccaattcc aaaccacttg ggtcagaggc tatagataat caaggggacg   420
agttctcact atgttgccca ggctggcctc gaactcctgg gctcaagcaa tcctcctgcg   480
ttggcctccc aaagtcctgg gattacaggt gtaagccact acggctggcc tattattgct   540
gtattctaac ttattcatct cctatgtgtc agagatggct ttggattccc cgttctgtgt   600
gctgctgtct ggctcctgaa cccagctgta gaggtgtgtc aatcccaact ggtgaagtac   660
tgagaggaag ctacacaaaa ggcagcaaag tattagtgag tggtgtcatt gagcaaacac   720
gaagtcgggc tcatccaagg atgagatttt gccagagaaa ggacgagcag caagtcaggg   780
agcttaaggt ggtggaaagg aaatccctca cagcaactgg caccataatc aagacagaat   840
gtttgcagaa taaatggagt tacctgcttt cagccccagg ttgtagctat tgtctgccct   900
gatgatatgt gataataatt tgtgatccta ttgtcttaaa atggggtcac tcatctccag   960
tagaattaag tccacagtga agttgtcccc ccatccccaa agagataaac atatatgaat   1020
gaactcacat gataacaact actgctgcct gggatcatga gagacctgaa ctgaactgat   1080
aggaagtgaa aggtggctga gataatgaga atagacccat ctgcagagga tcataaaacc   1140
agcaaagaca agatcttgtc taagatgcct tcacaaactt tgtccatgag aactctaagg   1200
acttctccag acctgttggc tgctgctgtg atctctgccc aagaggagcc tctgaccaac   1260
atccaaaggg cttctggacc cactggactc ctctggaggt accttagtct cccgatccat   1320
ggctgtgttt ttttactccc tttatcgctg cctgtgtgta gaatgataat tgcacaattg   1380
atagtgtgaa gacctcttga taaatggtaa atctgagcat atgtatttgg ctgacatgtc   1440
attgtgaaac ctcacagctt cagtcagtgt caacgcagct agggagcatg tacctaatgc   1500
acatatcact gggcatagtc tacaggcacc taataactca ggtaccttaa cagtcactaa   1560
tgagtgtctc tccaaggact aaacaatgga agactgtaga agatgctatt cattaaaata   1620
tctcaagaat atggaagact attattcgct tctcatggga caggacttta tagggcacct   1680
gaaaaaactc ccatgaaaaa tcacttttac aaaatgtcaa gttatgatat ccaagatgaa   1740
accaatg   1747

<210> 336
<211> 1326
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (252)...(1326)
<223> similar to gi1086680 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 336
tttttttcaat tgcacagata tttatatggc gtggcaccat gcaagttaaa caactctttg   60
caaggcactg tgaagttaaa tacaacaggc aaataatgtc ctttcaaagg gaatgttgtt   120
```

203

```
ccttagtaca gaacaatggc caccagggtt taggcatgct ctcctcccac ctggaggctc    180
ccactgacat ctgaattctt ctttccacag gttgccttgg attcagtgac ctgcattctt    240
tctttttcag taaagatgtg aggttgccag ctgggcttca gcactcactg gctgtggagg    300
cgtgcttgcc acatagtaga tgctcagtgc ttgtctgctg agtcatactg catagtggtg    360
aagccttcag ggaatgaaga acaatcactt tgctttcgtc acatgttttc tagatgattg    420
ctgcagaagc ggaaaaggct gcttctgagt ccctgaggat ggcagctgag attctgtcag    480
gcacccctgc tgctgttcag cttcgatacc tccacaccct tcagtctctg tccacagaga    540
agccttccac tgtggtttta cctttgccat ttgacctact gaattgcctg tcttctccca    600
,gcaacagaac tcagggaagc ctccccttcc caagtccttc caaacctgtt gagccactaa    660
atcctaaaaa gaaagactct cccatgttat aggaaggatg gggcataatg tgactgtaaa    720
ggggcctgcc atagaaaagt cacatccctg agggagacac tctgtcctca ttccctgccc    780
ttcctttggt tgccatatgg aatggccatg gaatgcacga agtcacaatg caccatccat    840
gagaagacag tgaaatgatg taatgacaga gaaggcagac aacatgtttc cgtgactcat    900
ctagtcagag caattatggg aaacagcttt ggtcaacatt ctactttggg aagaattttg    960
agtctagatg tggttaaatt ttgacttctg ggaacttggt tcagatgtcc ctttcactgt   1020
atgtcctctg accccttggg caaggttgcc acagctccca cagcccttcc tacaagcacc   1080
tatcattggg cttgtcacac tctattgctc ttctgtcccg aagatgcagt cttctctcca   1140
atgatactac caagtcttag ttttcctcaa ccacactcaa tcttttgct ccaccctgaa·   1200
ttcctcacac ctaaccctga tagttaccta aagtgacact taaatgtttc agagtgaatg   1260
caaaaaagag agatgtactt ggagtcggat atacaattta tccctaatta aagcatttaa.   1320
aaggaa                                                              1326
```

<210> 337
<211> 1077
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1078)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1077)...(0)
<223> similar to gi5420389 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 337
```
tttttttttt ttctgaacaa taaatgtttt atttgcttta aaagtgcctc tgaaagggcc     60
ccccagaagt gagcagtgcg ccgtcaagcg ggtgtgcagg gcacacagct gcacggcaca    120
gtgtgggtct gagtcactgc cggaggaggg accagggtgg tctgggccgc agcccctta     180
acaatctgcc cttcctgccc tgcaggaaga acccattctg aacacaccct ggctgtccct    240
ggctgcccca ctttggggtg acaaagagga ggcagccctg ggctgagtcc acagagacca    300
gccctgatat ggcaggagtg ggggtggggt ggggagtgg gaatacagga gctcagcccc    360
agctcaccac ggcatccccg aagagttgtg actcagacac acctgggttt aagtcccagc    420
tgggggctca ggtaagtcaa atcgtcttct ggggcctctg tttatcagta gaaggctcca    480
gaagtataca ctgttgatgg ctccttcccg ctctgatgca ccatgcctga ttaagcatac    540
actgagcccc ctgggtcaga aatcgctgag gatgctgatg tcagcaaagt cagcccggta    600
gcggtgggca tagaggctga gcaggaaggc ccacttgaag gaaatgaagc tccagacgct    660
```

204

```
ggagaggtag tagctggtgg ggtctgtgag gctctgatgc cgggtgatgg ccagcacgag    720
gaaggtgcag aaggcagcga tggagacggc cgagaagagg acgcccacga agaagaagcc    780
gcgcagcccc ttgagccagg tcctccaata atcttgcatg tacatcacgt gcgtcaccag    840
gacccacagt gccagcaccc ctgcgagccc tcccatggcc gcggtccccg gctgtcggta    900
gaccaccgtc cagacgagga agatggagaa gccggccacg gagctgatgc cggagtaggc    960
ggcgcggagg ccgagctgca gcctggacgg ggccatgggg ctgccgtacg cgtgggcgga   1020
cgcgtgggtc gtcccgggcn ttccgcgacg gtactcaggg cgtcaggnnn ngcaccc      1077
```

<210> 338
<211> 2355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (134)...(1316)
<223> similar to gi733606 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 338
```
gtccgtgtgg tggaattcgc agcggcagtt cgtggtgcgg gcctggggct gcgcgggccc     60
ttgcggccgg gcagtctttc tggccttcgg gctagggctg ggcctcatcg aggaaaaaca    120
ggcggagagc cggcgggcgg tctcggcctg tcaggagatc caggcaattt ttacccagaa    180
aagcaagccg gggcctgacc cgttggacac gagacgcttg cagggctttc ggctggagga    240
gtatctgata gggcagtcca ttggtaaggg ctgcagtgct gctgtgtatg aagccaccat    300
gcctacattg ccccagaacc tggaggtgac aaagagcacc gggttgcttc cagggagagg    360
cccaggtacc agtgcaccag gagaagggca ggagcgagct ccggggggccc ctgccttccc   420
cttggccatc aagatgatgt ggaacatctc ggcaggttcc tccagcgaag ccatcttgaa    480
cacaatgagc caggagctgg tcccagcgag ccgagtggcc ttggctgggg agtatggagc    540
agtcacttac agaaaatcca agagaggtcc caagcaacta gcccctcacc ccaacatcat    600
ccgggttctc cgcgccttca cctcttccgt gccgctgctg ccaggggccc tggtcgacta    660
ccctgatgtg ctgccctcac gcctccaccc tgaaggcctg ggccatggcc ggacgctgtt    720
cctcgttatg aagaactatc cctgtaccct gcgccagtac ctttgtgtga acacacccag    780
cccccgcctc gccgccatga tgctgctgca gctgctggaa ggcgtggacc atctggttca    840
acagggcatc gcgcacagag acctgaaatc cgacaacatc cttgtggagc tggacccaga    900
cggctgcccc tggctggtga tcgcagattt tggctgctgc ctggctgatg agagcatcgg    960
cctgcagttg cccttcagca gctggtacgt ggatcggggc ggaaacggct gtctgatggc   1020
cccagaggtg tccacggccc gtcctggccc cagggcagtg attgactaca gcaaggctga   1080
tgcctgggca gtgggagcca tcgcctatga aatcttcggg cttgtcaatc ccttctacgg   1140
ccagggcaag gcccaccttg aaagccgcag ctaccaagag gctcagctac ctgcactgcc   1200
cgagtcagtg cctccagacg tgagacagtt ggtgagggca ctgctccagc gagaggccag   1260
caagagacca tctgcccgag tagccgcaaa tgtgcttcat ctaagcctct ggggtgaaca   1320
tattctagcc ctgaagaatc tgaagttaga caagatggtt ggctggctcc tccaacaatc   1380
ggccgccact ttgttggcca acaggctcac agagaagtgt tgtgtggaaa caaaaatgaa   1440
gatgctcttt ctggctaacc tggagtgtga aacgctctgc caggcagccc tcctcctctg   1500
ctcatggagg gcagccctgt gatgtccctg catggagctg gtgaattact aaaagaactt   1560
ggcatcctct gtgtcgtgat ggtctgtgaa tggtgagggt gggagtcagg agacaagaca   1620
gcgcagagag ggctggttag ccggaaaagg cctcgggctt ggcaaatgga agaacttgag   1680
tgagagttca gtctgcagtc ctgtgctcac agacatctga aaagtgaatg ccaagctgg    1740
tctagtagat gaggctggac tgaggagggg taggcctgca tccacataga ggatccaggc   1800
```
```
                                  205
```

```
caaggcactg gctgtcagtg gcagagtttg gctgtgacct ttgcccctaa cacgaggaac   1860
tcgtttgaag ggggcagcgt agcatgtctg atttgccacc tggatgaagg cagacatcaa   1920
catgggtcag cacgttcagt tacgggagtg ggaaattaca tgaggcctgg gcctctgcgt   1980
tcccaagctg tgcgttctgg accagctact gaattattaa tctcacttag cgaaagtgac   2040
ggatgagcag taagtaagta agtgtgggga tttaaacttg agggtttccc tcctgactag   2100
cctctcttac aggaattgtg aaatattaaa tgcaaattta caactgcaga tgacgtatgt   2160
gccttgaact gaatatttgg ctttaagaat gattcttata ctctgaaggt gagaatattt   2220
tgtgggcagg tatcaacatt ggggaagaga tttcatgtct aactaactaa ctttatacat   2280
gatttttagg aagctattgc ctaaatcagc gtcaacatgc agtaaaggtt gtcttcaact   2340
gaaaaaaaaa aaaaa                                                     2355
```

<210> 339
<211> 841
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (403)...(779)
<223> similar to gi3002527 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

    <400> 339
```
aacgaggtgg tcaaggaatg tcaggaaaag ctgcaggtag ccctgcagag gctgataaag     60
gaggatcaag aggctgagaa gctggaagat gacatcagac aagagagaac cgcctggaag    120
gcaggaggag acacctccta agggataatt agacaggaat ctgggcagga ccctgggctc    180
tatcacaagg agaccccttc ctctttgctg tgctagaatt aacaagcata gaagtcattt    240
gattaggtct caatttaact ccttccctgt tggagtttag gggctggaga gtagacatat    300
cataaatcaa cactatattt ggaagtgaag gcatggaggg aaatatctgt gaaaacgctt    360
cctgtgaatc ctgtgttcca tttgtgtcat caggtttgag gctccaatcc ttccagtaaa    420
caccctggag aaagacccag gattccctgt ttagggggtt tcagtagggg gatttttttg    480
tttgtttgtt tgttttttga gacagagtct ctctctgtca tacaggctgg agtgtagtgg    540
cgcgatcttg gctcactgca acctctgcct ccctggttca aacgattctc ctgcctcagc    600
ctcctgagta gctgggacta caggcatgtg ccaccatgcc cggctaattt tttgtatttt    660
tagtagagat ggggtttcat catgttagcc aggatggtct caatctcctg accttgtgat    720
ccacccatct cagcctccca aagtgctggg attacaggca tgagccactg tgcccggcca    780
ggtagaggga tttaagacac agaaaggcaa agttgttcag gacaggtgtc tacaatccaa    840
g                                                                    841
```

<210> 340
<211> 2204
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (2197)...(0)
<223> similar to gi1118097 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

        <400> 340
caaaaattta tataatttta caccgattag aaatactttt tacaagcaag cgtaatcaga   60
tagttttcgc cttattccag ataaaaattt ttttatttcc attgagcgta tgatttatgt   120
aggtaggttg tcccaataag tccctcccac agaattaggg ttcataccaa aagtcaccag   180
ctaggtttat atatattacc atttagggaa gaaattataa tattgcaagt atgggtaaaa   240
tttgggcccc caaagggttc tttaaaaagg gccccccttt ttttaagtat tttttttttt   300
tccctctcat cccatttatt aaagaaacag taagaaaaga tacaatgcag gaaaaccacc   360
aaccatcctt gcacaccagg ccgaacaaag cacagtgatt tcttcccttc atcccccacc   420
cccaccctaa ttcccatatt cccatccaca tcagtttaaa ttttgaggtt ctttgattga   480
ttgggagtac cagtgaagag ggagttggat gagtagaggg gccttaaatc tggccacctc   540
taagtcccag gagaagggag ctgcaggccc agtcagtcaa gcagaaactg cattcggtgg   600
gtctttcttt gaagtggttg tccatctccc tgttctgtgt tcaagccccc agggaaaggt   660
atggcagtag aggatgacca ggtccaagct gcccaggtca gagctacgga agcatggtcc   720
gttcaccaac gccacgtttc tagagagcag tgagctgatt ctccaatggt gagcagggga   780
ctacatgtga actgggacct gcaggccaat gtatccctga ggaaaagtcc acaagaacaa   840
ttcaagaaac tagtaagaaa caatgggcag aaagctgtgg gacgaaagca cagcaggctt   900
ctgggaggct ggagatcctt tctctcaagg gcaggattat tcccacctgc cacagttcac   960
atgccacaaa taacatctca ccttcagtca agaaaaacgc aaaggaaaaa gatggctcat   1020
ttgaacttga gcccaagcta tgttcttcag actgtagctc cacaactacc cttttaccta   1080
agacagcccc tgccaagaac cacagtgcct agaaaccaag gtggtcctgg agggaaaatg   1140
gtgtttaagg gggcaacatt ccatttgggt acattgcagc cattggaccc cctggtctgg   1200
ggaaagcagc tgggtttgtg ccagggaggc tccccactct aggaaatggg acgaaactct   1260
tgcctgcagg gccattcatc cttggaaagg aagctgggtt gagacccagg gtcccagttg   1320
gccttgtgaa aggagctggg ttgatcccca cagggccagc tggagaaggg cccagatgcc   1380
cggcagctgg cctggggaaa gtaacttgac cagggcctaa tgggccagta gaccttggga   1440
aggtagttgg acttggaccc tgcaggccag tggcccttgg gaagttagct gggttggggc   1500
caagtggccc agaggctctt gggaaaatgg ttggatttga gccctggagg ccagcggacc   1560
tttggaaggt agctgggttt gatgccaatg tgccagaaga ctgagaaaag gcagatgaac   1620
ctgctcccct gggaagggga ttggcatttta cccccatggg gccaactggc cttgagaaat   1680
gagctgaatt agggcctatg gggccaggag cccttgacat gggagatgga tttggccctg   1740
gaaggccaat tccccgagag ctaggacccg agtttgggcc catggggcca ggtactcttg   1800
ccatggagga tgggcttgtg cccatgtttc cagaagcctg tgagaaagaa gctgaatttg   1860
ctcctaaaag acctgctgct cttagaatgg gggcaagatc gaggccttga ggtccagcca   1920
ttcttaagtt aagaccagat cctgtgccca agaggccacc tgctctggca tctagattag   1980
ggcctgggcc caggccactt ggtcttgggt tgggcccaag gcctgggcct ggaaacacac   2040
ctgacctggg ggcagggttt gtccctaaaa agcctgatct cagattgggg tttggtcctg   2100
ggcccaggcc aactggccta ggattgggag gaccattccc agaggttaac agaacaccgg   2160
ctctcaggtt aggtccagat ccagggccca tgggaccacc acct   2204

        <210> 341
        <211> 631
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature

<400> 341

```
ttattcggcc ctaaatacat attatgaact gaattttcag ttatctaaat atctcaagaa    60
gacaaaaaga aaatattaaa cctggaaaat gtagaaagaa gaaattatga agtagaattt   120
atgtagaaag cagaatttat gaagtagaaa gaaatataaa tcattcaagc caatagctgg   180
atttttgaaa tgactaattg atgagccctt ggaaagactg aatacgaaaa agagagaata   240
taaaattaac aatattagaa atgaaaatag gaaatcactg cagaacctcc aaacaatgaa   300
aagataataa gagaatactg tgactagctt tgttccaaag aaattaaaac attctagaaa   360
caatatagtg ttagcgaaat acagtttacc aaccctaaca ctagaagtgg gaaatatcaa   420
ctgtcttata tttattaaat gaaatgaatt tataattaaa gccttctcac aaagaagtcc   480
aggcccagat ggcctcactg gttaattcca ccaaacatat aaggaaacaa taataccaat   540
cttaaactct ttcataatac ttcccaactg attttatgag gccaacataa ccctgatcct   600
aaactatgac aaagaccatg caaaaaaaaa a                                  631
```

<210> 342
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (60)...(407)

<400> 342

```
ccccagcttc ccgagtagct agaagtacat acatgtgaat ccagaaggaa actactagag    60
ttaataaatt cagcacagct tcaggataca agaccaacac acaaaaatta gttgtttttc   120
tgtacatgta caatgaacaa tctaaaaagg aaattaagaa ggctattcca tttaaatagc   180
gctaaacaaa taaaatgctt aggaataaat ttaaccaagg aagtgaaaga cctgcatgct   240
gaatactacc aaacattggt aaaagaaact taaaaagacc taggtaaatg gaaagatcct   300
tagttcctgg gtcggcagac tcaatattgc taaaatgcca gtcctattca aaacaatcta   360
cagattcaac acaatcccca tcaaaattct gacaaccatt tttcccccca gaaatagagg   420
aattccacca catggactag tgtcatcgat                                   450
```

<210> 343
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(655)
<223> similar to gi4959382 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 343
ggacacataa tattccctcc tacactggga aaacaaaaca gtagggctag ccaactaacc   60
tcaacccatc ccttccaacc actcaccggg gcggccctgt cttcctctct ctccgcttgg   120
cgatcagaaa acaagatcct aaagcccctc tttgccaaag acctccaatt ttgccttcct   180
agccagggca tattctttct ctgtggcact tccacctagc tctgcttacc cactaactgg   240
acaggaacct gcacgctagt cttccttagt ccaaaaatag acatagcccc tggggataga   300
cccttaccct tccaaattca aacattatcc cgcagacgct gagccataca gcttatcccc   360
ctgctaatag gggtaggcat tatggcagct gcacgaacta gagtcgcagg aattgcaacc   420
tctacctatt actacaaatc cctatccaag gacctctctg ataacactga tgacctagca   480
tccactgtat caaccctcca ggcccaacta gactccctag ccgcagtagg tcttcaaagc   540
cgcaggggcc tcgatttact taccgcagaa aaaggaggta tctgcgtctt cctagatgaa   600
gaatgctgct tctatttcag tcaggcctgg ttcaagatgc agttaaaaaa ttaag   655

<210> 344
<211> 1202
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1160)...(2)
<223> similar to gi30041 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 344
tggcggcggg tcggggcgag aggctgaggg gatctggcgg tggagcgcta ggatcagacg   60
cccccgcgat gaccagctcc cccgtctcca gagtcgtgta caacggcaag aggaccagca   120
gccccgctc cccacccagc agcagcgaga tcttcacccc agcccacgag gagaacgtcc   180
gcttcattta cgaagcctgg cagggtgtgg agcgagacct gcgaggccag gtgccgggtg   240
gcgagcgggg cctggtggag gagtatgtgg agaaggtccc taaccccagc ctgaagacct   300
tcaagcccat cgacctgagt gacctgaagc gccggagcac gcaggatgcc aagaagtcct   360
agagcgcccg gtgcccctcc ccggcctccg gaagatcagg gtgcgaggtg tcggttccct   420
cctgtcctgt ggtcctgccc ctgggatggg ggtgccttgc tccagcgggc tgcagatccc   480
agcactggcg tgactgacgg ctgaggcctg cctctccttc ccaagccccc ttccttcatc   540
cttgggggtc tcaggctgcc cccatcatgg gggtctgggc cctgcccacc ctcctgccct   600
cccccagcca cctggctgca tttttgaagc tgcctggccc ccaggggccc tgacctgacc   660
tctctcctct cccctcaccc tcctgcccct ggccactgca ggatcaggag gggagaagaa   720
ggagcctctg ctgcctccca ggctgctggg actgggctgg ttttgtcctt gaagtggtca   780
ggatacagga caagggcagc cccaccccat ccagcctggg ctccccgcag acccttgctg   840
ctcccgtggc ctggacacgc tggggagctt ctcacaccta cccctaccgt ccagcctggc   900
ctcttccctg aatcagcttc aagatggcac cagctctttg ggcctaggat actgccgggc   960

```
ccccccaaggg ggtccccagc aaccaggcct ggcctcctgg tgtctgcggt cacagtggcc   1020
cctgggcagg ggcacccagg ctgaccctga ggtgctgctg ctgggtctgt cttggctctg   1080
gggtgtgctg ggagggtcac caggtccctt ttccttcctg tgccctctga aagctaagtg   1140
tctgtgtggc tgtggagctc gagggtctgt gaataaaggc ggcggcactg ggaaaaaaaa   1200
aa                                                                    1202
```

<400> 345
```
tgaggctggg gcaagccttt taaggactgg accacgggtg ggcaggatac cgggggagaa     60
cccgccctgt tagttggggc tggggagggc cgcgcaccga gactaaattg tccttccggg    120
cagatccgct caccaggccc tggcgacctg agcatctacg acaactggat ccggtacttc    180
aaccgcagca gcccggtgta cggcctggtc cccagagcaa gacttcagcc aggatctacc    240
ccacctacca cacagccttt gacacctttg actatgtgga caagttttttg gacccgggtg    300
aggagggaga caaggggcat cctgagacca ggacaggaga ggctgaagac tgagccctgg    360
ccttgtcacc ttgccgcagg cttcagcagc catcaggctg tggcccggac agcggggagt    420
gtgattctcc ggctcagtga cagcttcttc ctgcccctca aagtcagtga ctacagtgag    480
acactccgca gcttcctgca ggcagcccag caagatcttg gggccctgct ggagcagcac    540
agcatcagcc tggggcctct ggtgactgca gtggagaagt ttgaggcaga agctgcagcc    600
ttgggccaac gcatatcaac actgcagaag ggcagccctg accccctgca ggtccggatg    660
ctca                                                                  664
```

<400> 346

```
ggaattcgag gcggggggcag cctcgccagc ggggggccccg ggcctggcca tgcctcactg      60
agccagcgcc tgcgcctcta cctcgccgac agctggaacc agtgcgacct agtggctctc     120
acctgcttcc tcctgggcgt gggctgccgg ctgaccccgg gtttgtacca cctgggccgc     180
actgtcctct gcatcgactt catggttttc acggtgcggc tgcttcacat cttcacggtc     240
aacaaacagc tggggcccaa gatcgtcatc gtgagcaaga tgatgaagga cgtgttcttc     300
ttcctcttct tcctcggcgt gtggctggta gcctatggcg tggccacgga ggggctcctg     360
aggccacggg acagtgactt cccaagtatc ctgcgccgcg tcttctaccg tccctacctg     420
cagatcttcg ggcagattcc ccaggaggac atggacgtgg ccctcatgga gcacagcaac     480
tgctcgtcgg agcccggctt ctgggcacac cctcctgggg cccaggcggg cacctgcgtc     540
tcccagtatg ccaactggct ggtggtgctg ctcctcgtca tcttcctgct cgtggccaac     600
atcctgctgg tcaacttgct cattgccatg ttcagttaca cattcggcaa agtacagggc     660
aacagcgatc tctactggaa ggcgcagcgt taccgcctca tccgggaatt ccactctcgg     720
cccgcgctgg ccccgccctt tatcgtcatc tcccacttgc gcctcctgct caggcaattg     780
tgcaggcgac cccggagccc ccagccgtcc tccccggccc tcgagcattt ccgggtttac     840
ctttctaagg aagccgagcg gaagctgcta acgtgggaat cggtgcataa ggagaacttt     900
ctgctggcac gcgctaggga caagcgggag agcgactccg agcgtctgaa gcgcacgtcc     960
cagaaggtgg acttggcact gaaacagctg ggacacatcc gcgagtacga acagcgcctg    1020
aaagtgctgg agcgggaggt ccagcagtgt agccgcgtcc tggggtgggt ggccgaggcc    1080
ctgagccgct ctgccttgct gcccccaggt gggccgccac ccctgacct gcctgggtcc    1140
aaagactgag ccctgctggc ggacttcaag gagaagcccc cacagggggat tttgctccta    1200
gagtaaggct catctgggcc tcggccccccg cacctggtgg ccttgtcctt gaggtgagcc    1260
ccatgtccat ctgggccact gtcaggacca cctttgggag tgtcatcctt acaaaccaca    1320
gcatgcccgg ctcctcccag aaccagtccc agcctgggag gatcaaggcc tggatcccgg    1380
gccgttatcc atctggaggc tgcagggtcc ttggggtaac agggaccaca gacccctcac    1440
cactcacaga ttcctcacac tggggaaata aagccatttc agaggaaaaa aaaaa         1495
```


<210> 347
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(740)
<223> similar to gi160182 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 347
```
tttttttttt ttcagttgag cagacattta ttaagcacct atcaagtgca aggcactgtg      60
ctaggcgccg tgggaaatac agagaacaca ggcggtccct gcccacgagg agctcacagt     120
ctagaaaggg cagcaagaca gtacacaatc agtggcagca gcaccagcca gagtggcaag     180
tgctcaaagc gagacacaaa gtgctgtgcg gtcacaacat catgggggatg cttctggcag     240
aagcactgga aaggagacga ggactcaggc tgggccttcc aggagggaag ccatttggga     300
gaagggcatc tctagcggag agaggtccat ctgcagagcc cacaggtcat gggaaacatg     360
tggctgcagg gagagtttgg ggacagtcaa gtatggctgg gaggtggaca gccacggaca     420
ctaagctcag gagatgtgaa ctttgtggtc tggtcaaaca gccactgcag atcacttcgc     480
aggaggaggg gtgactagaa gtatgttact ggaaggtaaa tctggccaca ctgcagcatc     540
tggacggcag agggcagcgc tgggaggggc cagccagtta gggccccacc accctgggt     600
gtctgagagt gggagtagcg ggcagggcc agcaaagcac gagggcagag caggggacca     660
tacggagggt gggtgtggaa gaagggaggg gccccatgca agctgcaggt ctggggagcc     720
```

211

```
tgaggatgtc ataggggcttc ctggtagagt ggaaagtgca ctcctgaagg tcagggccag      780
tcactacaga gaggggacag cgaggagagg gacggtgtgg ccctaagggt gactgcagtt      840
tctcaacatg tggtc                                                         855




       <210> 348
       <211> 2198
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (22)...(2115)
       <223> similar to gi3153821 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




          <400> 348
accgggtcga cgatttcgtg ggagcgtgag cgagccaagc gggacgagaa ggaccggcag       60
caccgtgacc gcgaccggga gaaggagcgg gagaaggaga aggggaagcc caagccccgc      120
tccccgcagc cgccaagccg ccaagctgag ccaccaaaga aggaggctgc caccacgggg      180
ccgcaggtga agagagcaga tgagtggaag gacccttggc gccgatccaa gtctcccaag      240
aagaaactcg gggtgtcggt ctccccgagc cgggctcgaa ggcgtcggaa aacatcaccc      300
tcgtcagcct ctgcctctaa ttcctccagg tcgtcttcgc ggtcatcgtc ctactctggc      360
tccggctcct cccggtcgcg atcccggtct tcatcctaca gctcctactc cagccgctct      420
tccagacaca gctcgttctc aggaagccgg tccaggtccc ggtccttctc ttcgtccccg      480
tccccgtccc caacaccttc cccacataga ccttccatca gaaccaaggg agagccggcc      540
ccgccgcccg ggaaagcagg agagaagtca gtgaagaagc cggccccgcc tccagcccca      600
ccacaggcca ccaaaaccac tgctcctgtc cccgagccca ccaagccagg agaccctcgg      660
gaagccagga ggaaggagcg gccagccagg acccccccca ggaggcggac gctaagcggc      720
agcggcagtg gcagtggtag cagctatagt ggttccagct cccgatccag gtccctgagc      780
gtgagcagcg tctcctcagt gtccagtgct acgtcgagca gcagctctgc acacagcgtg      840
gactcggagg acatgtacgc agacctggct agccccgtgt cctcagccag ctctcggtcc      900
ccggccccag cccagaccag gaaggagaaa ggaaaatcta agaaagaaga cggtgttaaa      960
gaggaaaagc ggaaaaggga ttcgtccaca caaccaccca aatctgcaaa acctccagca     1020
gggggggaagt cctcccagca gccctcgaca ccccagcagg cacccccccgg gcagccccag     1080
cagggcacat ttgtggcccca caaggagatc aagttgacac tgttgaataa ggcggctgat     1140
aaaggaagca ggaagcgcta tgaaccatca gacaaggaca ggcagagccc tcctccagcc     1200
aagcggccca acacatcccc agaccgaggt tctcgggacc ggaagtcagg tgggagactg     1260
ggctccccga agccagagcg gcagagaggc cagaactcca aagcccctgc agccccggct     1320
gacaggaagc gccagctgtc accccagtcc aagagctcca gcaaggtcac gagcgtgccc     1380
ggcaaagcct cggatcccgg cgccgccagc accaaatcag ggaaggccag cacgctgtct     1440
cggcgggagg agctgctgaa acagctgaag gccgtggagg atgctattgc acgcaagcgg     1500
gccaagatcc ccgggaaagc ataggccgtg ccccgaccgg actggacgca tttttataca     1560
tagggtaagc gcagccattt tggattttgc agttaatgtc ttattttggc tgtgattctt     1620
tttaaaaagt aaaaaagaaa aaaagtttc tcagctggaa aagaagccac acaggaaatg     1680
acaacgacgc tgaatcccag cctccctccc cagagcagaa gtcccgcagg acagacagac     1740
acagacagcg ctagtgacca gcacggttct catgtaaatt acaagcccca gccgccagcc     1800
ccgccttctc ttcctcctcc tccgtcttct tccctggccc tggtcaggcc tgtggagccc     1860
cagctctggg tccctagccc gggtccaggc agccaggctc cctcctgagc tgagaaacgg     1920
aacctcgcga accactggtg gcacatcctt ctcctcccccc gccctgatc acccgccccc     1980
ggatcagaaa tatatcctata ttctcgacta aagtctcatc aggaaatatt tcctgtcttt     2040
```

212

```
tattttaagc atcaaattgt tttagttgat ttaaaaagga aaaaatacag aaaagaccaa      2100
aaaaaggcca agggtgttgt tggggcgtct gtctaatgtg gtgggtcttt ttttgagggg      2160
tctcctaaaa taaaatattt tgataagcaa aaaaaaaa                              2198
```

```
<210> 349
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)...(491)
<223> similar to gi3599339 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 349
gcggagactg gttcccccag tgtcctccag gctgcctctt tgaagtgtgg gggcatggca       60
gcattgtaaa gtgtggctgg tacaaaccaa ataaacctta agtttaattt ggagtgggaa      120
gaacagaatc attaaaacaa tcttgaaaaa ggaagacaaa gttggatact taccctacct      180
gactttaaga cttacagtga agctgccata ctcaagacac tgtggtactg gcgaaaggag      240
acacaaatgg atcaatggaa aaaaatggaa ggccaagaaa tagacccaca catacatggt      300
caaatgattt cgacaaggac acctcgacaa ttcgataggg aaacagcctt gacctgtact      360
ttactaaatg tacaaaaatc aattcacggt agattgtaga gctaagtgta acagccagag      420
ctacaaagct agtaaaagaa acatgggaga atagctttgt gacattggga taggcaaaga      480
tttcttaggg ataatccaga aagtatgatc                                      510
```

```
<210> 350
<211> 883
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(884)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (168)...(879)
<223> similar to gi193573 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 350
```

```
agaatgtctg tgggacgcca gggcgccacg agggtctgta cagccctgct gtatggccag        60
gtctgcccct tccaggacag cactgatggc ttacggtagg gtggggctgt cctccaaact       120
ggcagcaaca ggccagggac ccagaaccan gcaggggtgc cctggagggt tgtgtgggag       180
aaggccaggc ctctgactca gctgtctact ccatcaccag caccatcacc tccattttgt       240
tcaactggcc ccccgaaaan acttcagttt actatcagcc cccgcaacgg tcatctttcc       300
ggataaagct ggccttcagg aacctctcct ggcctggact gggcttggag gaccatcagg       360
aaattgtcct aggccagttg gtgcttccgg agcccaacga ggccaagcca gatggtgagg       420
gggcttgcag tctgcaagac tttccggggg tggtgttttg gggctacaat tcccttaaat       480
tccacccggt catttctgtg cttggaaaac ccagtgaaaa atgactggtg tggtgacctt       540
ttctcctttt ccagatcctg ctccacgtcc tgggcaacac gcattaacaa tgccggccct       600
ggagccagca ccaccactgc tggcggacct ggggcctgct ctggagccag agtcacctgc       660
agccctgggt ccaccaggat atctacattc agcaccaggg ccagcaccag caccagggga       720
agggccccct ccagggacag tgctggagcc acagtcagcc ccagagtcct cctgtccctg       780
tcgtgggtct gtaaagaacc aacccagtga ggagctgcct gacatgacga ccttccctcc       840
caggctgctg gcagagcagc tgaccctcat ggatgcgacg aaa                         883
```

```
        <400> 351
tttcgtagga ggagctggcg tgggagaccg acggccgtga gtctgcctgg aggagggagg        60
ggggcgggcc gaggccgaga ggaccccgc atccgtttgg ggagtgccag gggtgaggtt       120
ggcgccctcc gaacggccac ctccgtgtgg ggcgtctgtg tggctccgag cggaatggtt       180
accggtccgc gcactgggcc gaggggacct tgccagtgcg tctgggactc ggggaccaca       240
cccgccaggt gagcggggag cagcggctga gaggttagct acaaataata aaggtaatag       300
cgatccttga ctgcgtgctg tactttgtgt gccaggcctt gacccaggag aggcacgtca       360
tttgatcttc gctgcggcca tatggtgctt cctctggaga ggcagctcca cgaggccgcc       420
cgccagaaca atgtcggcag gatgcaggag ctgattggga ggagggttaa caccagggcc       480
agaaaccacg tgggcagggt ggccctgcac tgggctgcag gtgcagggca cgagcaggct       540
gtgcgtctgc ttctggagca cgaggctgct gtggacgagg aggatgcggt aggggccctc       600
acagaggcac gtctgtgtgc ccttggtcct ctccttgcct tggccccagc ctctgcttcc       660
ctcctctctc cagtgctgtc cttgtctgca ccacccgcct cctgcctcca aattcccgcc       720
tgtttctaaa gcaaagcagt gcaactctct ttggatgctc gggagcctgc tgatcatttg       780
ggatgaatgc gcttctcctg tctgcctggt tcggccactt acgaatcctc cagatcttgg       840
taaactcagg ggccaagatc cactgtgaga gcaaggatgg cctgacctta ctgcactgcg       900
cagcccaaaa aggccatgtg cctgtgctgg cgttcataat ggaggacctg gaggatgtgg       960
ccctggacca cgtagacaag ctggggagga cggcgtttca caggcagct gagcacgggc      1020
agctggatgc tctggacttc ctcgtgggct ctggctgtga ccacaatgtc aaagacaagg      1080
aggggaacac tgcccttcat ctggctgctg gtcgg                                 1115
```

```
<210> 352
<211> 1447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(1443)
<223> similar to gi2443342 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 352
gagggtgagg cagcccccag gtctctgggt caggcggacg gtccctgcaa tgcagtgccc     60
ggcaggactg agcagggttc ccggggtcgc cggtacccat ccctcccaag cttccggggg    120
ccccgggacg aagccgctca cagaggcacc attcagacgg ccagacacac acgaaagctt    180
tatgtgcagg gcccagcctc tgggccgccc ttgcccaggg tttccactca agttgctatt    240
taggatgaaa agcctttggc aagaccctcc gccgcactaa cgcccccttc ccccagggcc    300
agaaacccgc agggaaagca gccccaggac ctgctgcagc tggcagggtg gctatgagac    360
tcaggacacc ctgggctcct ggccagtgac tcacagcggt cctccagcaa gggcagtggc    420
tgggagacac ccgtgccgtg gagctaggcc cagcctggct gggtctcagg gctgcttctc    480
ttgggtgacc ccagcggccc agggtcgttg tgaagatcaa cgtggcttgt gggaggagcc    540
cggggcccag aaggaagtgg ggtcaggggc tcaggctggc cctcgggctg ctctgacatt    600
gggtgggcac tcgctggatg gaatcacagt taacacctcg atcccaacac ctggactcag    660
aagtggacag gcgagtgcct gccccgggag aggaaggagg tggcacctgc tcccaggggc    720
cccactgcag agcacggcca ctgtgagctg acgacagaat cacagtacag caataatgtc    780
cctatcctct tccagaaccc cagtggggcc ctcaggtcac gcaggacgga gccagctggg    840
tgggtcccac caactcggca tgaatgagac gacggatgaa ccgcagcccc agcatcagga    900
ggggcgcctg tgtcaacacc cacgtgggct gggaccccgt gaatgccagt ctggggccga    960
cggacccca gggaaagcct gggtgcaggc caccttgtgc gctgcccaag cctgcaggcc   1020
ccgagaggtc agcctgagga ggcagcctcg gctgccggta atgctgcctg cttcatctgg   1080
gccacctccc gctccaggtc ctcgccggct cgctgcagga gctcacacct ctgcctcagc   1140
acgttgcccg cctgctgcag ccgctggttg gcagccacgt aggcccggct ttgctggtag   1200
agctgctctc ccggggcctc cgcatcctcc atcatcctga agggaactgg ggggtcttcc   1260
ggggccagga tggtgaacac tggatcctct gccggcgcac cccgcacatc ctccaggatc   1320
tgctccaccg tggggggcgc tgggcggggtg ggcagcagca cgcgcttctt tgccttggag   1380
cccatctctc tgcctcagtt tccccgcggt cacccagtc gccggcctct tcccacctgg   1440
gcgcggg                                                            1447



<210> 353
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(609)
<223> similar to gi467528 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 353
gcggtgctca aggtgcggcc cgagcgcagc cggcgcgagc gcatcctcac gctggagtcc      60
atgaacccgc aggtgaaggc ggtggagtac gccgtgcggg gacccatcgt gctcaaggcc     120
ggcgagatcg agctcgagct gcagcgggct ggagtgcagt ggtgcagtta tagctcactg     180
tggcctcaaa ttcctgggct caagtgatcc tcctgcctca gcctcttcag aagctaggac     240
tacagggtat caaaaagcca ttcacagagg tcatccgagc caacatcggg gacgcccagg     300
ctatggggca gcagccaatc aacttcctcc ggcaggtgat ggcactatgc acctacccaa     360
acctgctgga cagccccagc ttcccagaag atgctaagaa acgtgcccgg cggattcctg     420
caggcttgtg ggcggggaac agcctggggg tccttacagt tgcttagcca ggggtttttca    480
acttgcattc cgttgaagat gttggcttgc cttacattca ccaggaggga tggccggtgt     540
gcctgcggac cccgacaaca tctacctgac cacgggagct agtgacggca tttctacgat     600
cctggagacg tctttctttg tgccttgatg ttgagagcgc                           640



<210> 354
<211> 912
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)...(43)
<223> similar to gi3327136 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 354
aggagctggc tagtcaggaa cttattcatt aaccaccaaa cctctacctc ttctctcctt      60
gactgtcacc tgtaggacag tttatcagtc aactaccttt cctccagact ttacttccag     120
gctctcctct tcagtagctg gatgacttta gcagaaagga ctggtaaata caagccttgg     180
gtttcagaat gaattagaaa caaataactc ttactgtctt ccctcccagc tttgtttatt     240
ttgtgctttt agacttttca gtgtttttctt tttccagccc actgtataaa cttggattgt     300
ccattcctcc tgaagaaatc aagttggtat ttttgatgtg gaaaagggaa caaaagtgga     360
aacatggcta cttttgggga gtgatatttt aaaaaataag ttgtctatgg gcacaaagtt     420
ttcttcattt gtgtagcaaa cttcttgtga atgtggatta caaaatggta taattgtgct     480
actctcccct gggtggtttg cagccctaat gaaattatgt ctaggatgat tcagtctatt     540
tcccatttac tagcagagta acttgttaag atcagctggc tttcttgtta aagttatttta   600
agttttgaat gctctactac ttcaagtctt taaatttctt gagactagaa taatttttaaa   660
taatatgacc ctttgtcttc taatgaaata aagattgaag aggttgagtc aggactgagc     720
tggtgaagaa atcttgtggg tattctggaa atttgatacg gagagaactt ggtgagctat     780
gaattactct cagtctcctt tttacagggt tgttgtgatc cctctttttcc agaaaattct    840
gtggaatgtt tctgtaggac tttgttctcc acaagcttga attaaagcag gattcagttt     900
gcaaaaaaaa aa                                                         912
```

216

<210> 355
<211> 1392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1393)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1336)...(271)
<223> similar to gi2317934 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 355
```
tttttttttt ttnnacaata gtccatatat ttattcttaa gcaagttatc aataaaaaat    60
ttgatactaa aatgccttta catagagtct gctgttcata aaacctttgt gtgttttttt   120
gtccattttg tttttagtgt ttacattgaa aaaaaatcca accatcccct tagtttacac   180
atttacagga atcgtgcctt cgtcacgtta accacggtga gaggggaggg gccgcaccat   240
tcgcacgcac acagaaaaaa aaaggaaaaa accagggaca aagcggaacc cagcagaagc   300
gggacgagga cgaggcggcg gagcagagga tccaacctcc gtggctgcac cctcctcggc   360
cctctctgga actccagtgg ctcagcatgc ccccgtgcat ttttcttcac ttgacatcgt   420
tctgatcccc gagcctcaag caggacctcg tccaaccacc tccccagaca tccaccggga   480
atgaaatatt gcactcatgc gagacaaagg gtaggctcgg gggtgggagc gggggggctga   540
aggcggggac cnccgaccac aacataagcc cccagccttg agcctcctgg ggagcctctg   600
ggaacggccc ttcagggggt ccagccagca ggtgagaaac aggccccaat gggcccgaga   660
aaaatagggg gccaagggga cctgggattg gggtgcaggg cacccaccag caccctgctt   720
cgaggcctgt ggtgtggggg acacagagct cgtcctagag cagtggctaa cttggggggc   780
tttcctgaag ctcccgtggg gccaggggaa ccttagtgtg ggaggatata aggagtgtgt   840
ggcccccat gcgtttctga ggctgaaggc tgttgggctc aggtccaggc agcctgtctg   900
tccttggctg tgggagaagg ggaggggtgt gaattccctg gggatactgg ggcagagccc   960
tcgaggggtg ctgcttgcac ctggggccag gatttgggct caggtggtca gggggaccct  1020
cattctatgc cccaagcact agcccatcag gccatctgcc ccaccaagtg gcacagaaaa  1080
ggccgagaaa cctccaaagg ggttggggca ggcagagggg tccgagggcc aggcagattt  1140
ggctggtgga aaagggggcc cagaaagggg ccttccccaa gggcagggcc tgcgttttat  1200
tttcttctcc cctggccaca gcactgctgg cctggcctca ccaccatcta cgcagcaggc  1260
caggggtttg ggggcaccaa taaggtgggt gggaaaaggg gtgtcttttg catgcattct  1320
gcttgggggt gaggagagaa tctggtggga ctgtgaacct gccctcatag gccccgagcc  1380
ctgcccagtt ca                                                      1392
```


<210> 356
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (908)...(2)

217

```
        <400> 356
aagtacaaaa gatttaaatt ttgatgaagt caagtttttc tgttttttctt ttttcacttt     60
atgatttttaa tattatatct aaaaaggcct aatgttgaga agctttactc ctatgttttc    120
ttctaaagtt ttatagttta catttaggtt tatgacccat cctcacttta agttttagca    180
tatggtgtga ggaagggatt cattttcatt cttttgcatg tagatgtctg gtagttccag    240
taccatttgt tgaaaagaca gttctttgta cattgaattg tcttggtatc cttgttgacc    300
tctcatctgt ggccccattc ctggctctag attctctcct tcatttttca tttatccaag    360
gatctgtgag tttagttaag tcactttcta aggctgctcc ttttgcccat agttctctcc    420
cattagtcaa aaatagttat tgaacattat ttattgagtg ttccagtaaa tgatagggca    480
atgaacacac acagtgtccc tactcttgtg gtgttacggt ataaaatact tcagagtttg    540
tagatgaaac ttaatttttt tggctggtct tttcttagaa accagtattt aaaaatctga    600
atatcaaaaa aaaaaaaccc tcttaaaagg ccagtaattt aaattttttt cattttaacg    660
gggattaaaa aaaataaatt taaaattttt ttttttttgg gggcaaagtt tggcttttttg    720
gccaaggtta aaggccaggg gggaaatcta atttaatgga accttccgcc tcggggttaa    780
aacaattttg ggggcctaac cccccggaaa actgggaaca acgggttggc cccccaagcc    840
ccagtaaatt ttggattttt aagtaaaaac ggggttcccc cttgtgaatc aggcgggtct    900
aaaacccc                                                            908
```

        <210> 357
        <211> 996
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (725)...(996)

```
        <400> 357
atctcctggg tttaagcaat ccgcccactg cagtctccca aggttctggg attacagatg     60
taagctacca agcctggcct tgtgggtgga ttttaaggat tccttaatat cttcataaaa    120
accaagaaac ttttactca aattagcaaa ataaattgaa ttttatgttg gttctcatat    180
agtggatagt ggacacaatt caattagttg cctcatatga tttataacta agatacctct    240
tagccataaa tggagtatct tattgacaat tttgaagcat ttccacagat ttattcattc    300
atttatatga aatatttcaa aacaaaaata tttactgagt ccttatttga aacttttttat    360
tttcttcaga gcatttatat ctatatagca ttttgctcat ttacatgttt gtttattact    420
atgaacagat acacaagatc ccacctttcg tgaagcttac attctaggaa gataacaaac    480
ttgtaaataa gtgagcaaag taatttcaga tacatattat cagttcaatg aagaaagtaa    540
aacatgataa tcatgtaata gaagctgctc agcaacttca gagctatggt cagggagggc    600
ctggggatgt gtgtttgacc tgggaagacc tgggaaaagg caggcagagg aggcagagga    660
ccatcaagtg caaagactct aaggtggaaa cacatttggc aaattcaagg aatataaaaa    720
ccgccaacgt gtaaagaaa acatagggga aaagcttcat gacactggcc ttggcaatga    780
tttcctggac atgacaccaa agaccaggca acaagaccaa aaataaacac atgagactac    840
```

218

```
agcaagcaag cttccccaca gcaaaggaaa cgattaacag agcaaaaagg caacctatgg    900
aataggagaa agtacttgca aaccacatac ctggtaaggg gttaatctcc aaaatacata    960
aggaatatct gcaactcaac aacaaaaaaa cctgat                             996
```

<210> 358
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(935)
<223> similar to gi2689442 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 358
```
cggacgcgtg ggggaaaatt ctatagccac aagttcagcc ttatcaatca ttggcgtgtt     60
cacactggag aaaggcctta tgagtgcagt gaatgtggga aattttttag ccaaagctca    120
agcctcatgc aacatcgaaa agttcacact ggagaaaaac cttttaagtg caatgaatgt    180
gggagattct ttagtgagaa ttccagcctt gttaaacatc agagggttca cactggagca    240
aagccttatg agtgcaggga atgtgggaag tttttcgcc acaactccag tcttttaaa     300
catcgaagga ttcacactgg agaaatgcag tgattgtgtg aaatccttta gccagcgttt    360
caacctcatt caacaccaga agttcacag tggaaaaaat cttgaaggta acagatggaa    420
atccgttagc cacacctcca gtctcattca acactggaca gtttacaatg tggacaatgt    480
agtgaatatg gaaaaaggtt tcagccaaag gcctaaccct attcaacacc agaaagttta    540
gaatggagaa aggccttagg gtgacaggtt atgtactgtc tctgaatcaa tatgacctca    600
cttaaaacag aaactctgag gatggccttt atgagggagc tggcaattga acatcattca    660
tctaaatatg cacactggag gcaagatgag aattcctgac agattgtcct tcctgagaag    720
acagccctct gccttggagc tccagagaga gggagccctg tattcttggc tgtacccgtc    780
gaatggagtt ttgatctcgc tgagtttgga gttgggggag gaaaggagtg gtcttggttc    840
aaatgtgact cacttttgct gttcttgtga atgttagatc ttctttaata aatatttatt    900
tcccatacac ccttatgacc attaaaaaaa aaaaa                               935
```

<210> 359
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (230)...(727)
<223> similar to gi4101720 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 359
ggagacgaat ccatggccaa gaatgcagac tgggaaaacc agctaagcca ggcgcgcaag      60
gagttggaga ccctgcgggt gaggctgggg cgggtggtag gccaggcgcc caagaacagg     120
ccagctgagg cttctaggct tgacatctcc ctccaccccg ggaagaagat ggaggcttgg     180
tgccaaggag cctgctggtg ggcactgacc cctcccgtgg ggttcgtagg agcgcttcag     240
cgaatcgacc gccatgggcg cctccaggcg tcccccagag cctgagaaag cgcctcccgc     300
tgccccgacg cggccctcgg ccctggagct gaaggtggag gagctggagg agaagggggtt    360
aatccgtatt ctgcgggggc cgggggatgc tgtctccatc gagatcctcc ccgtcgctgt     420
ggcaactccg agcggcggtg atgctccgac tccggggggtg ccgaccggct cccccagccc    480
aggtgcgcag gagcttcagg ctggcgggga tgcggggcag ggtctggagg ggagcccagg     540
ggcatctgtg gcgggcagag ttgggcgagg gaggtttgga ttgtaggctc ggctcaggta     600
ggagcgcatg cgtagagcgg agaggcggag aggggcccac ccaagtcaag gagctgactc     660
gcgcctcccc cacgccgcgc cctcgctggc tcagatctcg cacctgcagc agagccggct     720
cccggagcag ac                                                        732
```



```
<210> 360
<211> 1031
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (361)...(1016)
<223> similar to gi2388676 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```



```
<400> 360
tgctacgtgg aaagtctcag atgtattacg cctttgctca gcttaccatg aacacttcct      60
aatgtaatat ccccagcagc agaagacaga aatgatgatt ctgtataaag atacttggct     120
ttcagcaaac catcttcggt agatacagta acagaacttc cctgcagttt atctatggtc     180
acagcacttt tatctgatgc atgaatatct atatttccat aaactgttcc cagacagatc     240
acttcgcctc cttttgtttg aacatgcaat ttttgaccct taacagactg caagatacta     300
gtcccatgct ctgtttcaat tttgcaatta tcaccctcaa tactttgaac ttttacacag     360
ccagaccctg atgacttgat atctaaacct ccacggacgc ctgggggtgg atagtatcag     420
acacaatggc catctcctcc agatcctcgt cgtacttcac ctgcaggccg tccaggcccc     480
gcacgccgcc ctccacgccg cacaccgcga ccagcacgcg gtcgccatcc gggtaggtga     540
gggggtccag gggcctcacg gccaggtggc acgggagccg cgcccgcagc cgaccaaacg     600
ggctcacctg cagtgtccac tccttcagag ttcggcgcgc cgggccaggc ggagggacct     660
cagtctccga tccgggccag cgctcgctcc cacctgagct gtacggcctg gcttggcaag     720
cccagcaagc ccagcgccca gcgccagccc acagtcggac ctgacggaga cagagacgga     780
agcagccaag ctcccaacct gagcaggggg caagcatggc gcgcctctct cgccagtcct     840
cagaacactt cagccacagg gagggtcact tgccacggcc aatcgacttg ccactgtgc     900
cgcctcaagt caaataggag acgtaagtca gggtttgctg aaacaagagc gagccggttg     960
gcttgactag gcgttctaaa catcagccgc gcaatcccca ggggcaagtt gggatttgaa    1020
agctcacgaa a                                                        1031
```

220

```
<210> 361
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (388)...(457)
<223> similar to gi3877572 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 361
aacattggct tgagattcca agcagaaatc cctgaactcc aagatatctc tgccctggcc      60
caggacacac acaaggccac actggtatgg aagccctggc cagaactaga aaaccatgac     120
ctccagcaaa gagtggagaa tcttctgaat ttgtgcagtt ccagtgcatt gccaggtgga     180
gggaccaatt ctgaatttgc tttgcactct ctgtttgagg ccaaaggtga tgtgatggtt     240
gctctggaaa tgctgctact gcggaagcct gtcaggttaa aatgtcatcc tttagcaaat     300
taccactatg ccggttcgga caagtggacc tccctagaaa gaaaactgtt taacaaagca     360
ctagccactt acagcaaaga ctttattttt gtacagaaga tggtgaagtc caagacggtg     420
gctcagtgcg tggagtacta ctacacgtgg aaaaagatca tgcggctggg gcggaaacac     480
cggacacgcc tggcagaaat catcgacgat tgtgtgacaa gtgaagaaga agaagagtta     540
gaggaggagg aggagaggac ccggaag                                         567




<210> 362
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (189)...(476)
<223> similar to gi1655699 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 362
ttatttagtt ccttcatctt gatccatctg agtttgcagc tttgcaaacc atgagaaaaa      60
ctgctgtgcg gtttcaattc tttcttcttc cattcctaag gaagtgaagc ccttcaagag     120
aatgtcttct gtagattcag gcactactga agtcagttca atgggcagtg actgggatgt     180
taaactgcac aagtcttcaa ttggaagctc agctggcacc ggcaagttct ctgccgccgc     240
cttcagctcc aataccgagt ccgtctgcct gtcggtcagc ggcgccgtcg tgtccggtct     300
ccgatcccag agagccagct tttccctagc gtcccgctcc gccgccgcct caggcagcag     360
caacagcgcc gcctccgcca tcgccgccgc cctcgcggcc ttcagcagca gcgagatgga     420
ggggaccccg acagagagac ctgggccact tccgggagaa ccggagcttc caacactgca     480
ccggcggcgg ggcgggacgg aatgcccacg aaatcgtcga ct                       522
```

```
<210> 363
<211> 601
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(601)
<223> similar to gi158695 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


    <400> 363
ctccaccttc ctggcctctc tggctagcgc ctgcctcagc ttagctgcct ctatcttgag      60
ctcgctcacc tctgcccgcc tggcctcctc ccactccctg gcctgggcgg aggcggcgtc     120
atagcgctcc agctcgaggt cccgctcctc cagcacctga aggttgtaga caaagtcctc     180
ctgcagacac cgcagtttcc cctgcgcctc ctccagctgg ctccgtgtgt cctgcagagc     240
cgcctcctgc agctgggtgc ggtgtgcctg cagcgccctc cactcctcct ccttgcgaag     300
cagcagctca ttcagggcgg gctctgagcc cagtggcagc atggtggccg cctgtggtct     360
gacctctctc caggcaggcg gtgttggaac tgaaccgaag gacacccgcc gagtctgcgg     420
cagaactgac tgctcatgtg ctggtgaaaa cctccctctc ccaccacatt tgatcacaga     480
agtcttcctc tgtgctgatg attcttgtgg tatcagagta gaggaaaaac agtttcagtt     540
ttccagaaat accctaacgc ccgccagcag cgctggccag gtcccgccgc gttgcacgaa     600
a                                                                      601




<210> 364
<211> 1262
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)...(1214)
<223> similar to gi1504040 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



    <400> 364
tttcgttgga ggtcctgcag ttgggcagga actccatccg gcagattgag gtgggggcct      60
tcaacggcct ggccagcctc aacaccctgg agctgttcga caactggctg acagtcatcc     120
tagcggggcc tttgaatacc tgtccaagct gcgggagctc tggcttcgca acaaccccat     180
cgaaagcatc ccctcttacg ccttcaaccg ggtgccctcc ctcatgcgcc tggacttggg     240
ggagctcaag aagctggagt atatctctga gggagctttt gaggggctgt tcaacctcaa     300
gtatctgaac ttgggcatgt gcaacattaa agacatgccc aatctcaccc ccctggtggg     360
gctggaggag ctggagatgt cagggaacca cttccctgag atcaggcctg gctccttcca     420
tggcctgagc tccctcaaga agctctgggt catgaactca caggtcagcc tgattgagcg     480
```

```
gaatgctttt dacgggctgg cttcacttgt ggaactcaac ttggcccaca ataacctctc       540
atctttgccc catgacctct ttaccccgct gaggtacctg gtggagttgc atctacacca       600
caacccttgg aactgtgatt gtgacattct gtggctagcc tggtggcttc gagagtatat       660
acccaccaat tccacctgct gtggccgctg tcatgctccc atgcacatgc gaggccgcta       720
cctcgtggag gtggaccagg cctccttcca gtgctctgcc cccttcatca tggacgcacc       780
tcgagacctc aacatttctg agggtcggat ggcggaactt aagtgtcgga ctccccctat       840
gtcctccgtg aagtggttgc tgcccaatgg gacagtgctc agccacgcct cccgccaccc       900
aaggatctct gtcctcaacg acggcacctt gaactttccc cacgtgctgc tttcagacac       960
tggggtgtac acatgcatgg tgaccaatgt tgcaggcaac tccaacgcct cggcctacct      1020
caatgtgagc acggctgagc ttaacacctc caactacagc ttcttcacca cagtaacagt      1080
ggagaccacg gagatctcgc ctgaggacac aacgcgaaag tacaagcctg ttcctaccac      1140
gtccactggt taccagccgg catataccac ctctaccacg gtgctcattc agactacccg      1200
tgtgcccaag caggtggcag tacccgcgac aaacaccact gacaagatgc agaccatgta      1260
tt                                                                      1262
```

<210> 365
<211> 1055
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (228)...(1023)
<223> similar to gi2842469 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```
<400> 365
tttcgtcacg accacaccaa ataacagcag cagagggagg tgggggagag ggaaataaag        60
gggagtcatg cttaaaatgc tacagcggtg tgaaacagca gagcaaagaa gcgcccccag       120
cttctgagag ccctggcccg agtcccctcc cccgttagaa acagggcttt gggatggtca       180
tggagcactg ccagtaactc caaccgcagc acgccggcct gctcgcccat cctccggaag       240
cggtctcgct cgccaacccc gcagaaccag gacggagaca ccatggtgga gaagggctca       300
gatcactcct cggacaagtc cccgtccaca ccggagcagg gcgtgcagcg cagctgctcc       360
tcccagtccg gccggagcgg cggcaagaat tccaagaaaa gccagagttg gtataatgtg       420
ttaagcccca cctacaagca gagaaatgaa gacttcagaa agctctttaa gcagcttcca       480
gacacggagc gcctcattgt tgattactca tgtgcactcc aaagagacat tctccttcag       540
ggccgactct acctctctga aaattggatc tgcttctaca gcaacatctt ccgctgggaa       600
actctgctga cagtccgttt gaaagacatc tgttccatga ctaaagaaaa aacagctcgc       660
ctcattccca atgccatcca gtttgcact gattcagaaa agcacttctt cacttcgttt       720
ggggcccggg ataggacata tatgatgatg ttccggctct ggcagaatgc tctccttgaa       780
aagcctctgt gtcccaagga gctctggcac tttgttcacc agtgctatgg gaacgaattg       840
ggcctgacca gtgatgacga ggactacgtg cccctgacg acgacttcaa cacaatggga       900
tactgtgaag agatccctgt ggaagagaat gaagtgaatg acagctcatc caagagcagc       960
atagagacca gccagatga cagtccacag ctgcccaaga aatccatcac caacagcact      1020
gtagtggcgc gctctctgaa tcaacttggt cgtcg                                 1055
```

223

```
<210> 366
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(384)
<223> similar to gi4240217 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 366
ataacacttg tttgggaggc ctcggtcagt actcttcatg gctggttcag gatgccatta      60
ctcaggccca ggtttgctat gcgtcctgca gaatccggct agaatatgat aggagctcca     120
gctctgcaag gagtcctggc caacccgtgt gccgtcttgc tcagagcacg cacaggcagt     180
ccgggccgtg agcgactagt atcaggagtt tctccgcaag cagtagagct agttcttgga     240
tgtgatggcc agcgttcaaa tagagaatgc tgagctcaag gtcaaggccg cccagctaga     300
ccatcagcag cagtgtctgg aggatgcaga gagcaagcac agcatgagca tgttcaccct     360
gcggggcagg tatgaggagg agagtatt                                         388




<210> 367
<211> 888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(702)
<223> similar to gi180392 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



<400> 367
tttcgtaaag aaggttccaa gctggagctc ccagggagat ggggaaagtc gggggaatgg      60
cagccctgtg tggcacctgg agacaggggt gccaggaaga gaacgggcag gatgcccatg     120
ctgatcagag gctcagtacg aggacagaaa tgaccttcag catcggccca gctgagagcc     180
agcctggagg ttacccagca gcaggccacc caggccgaag gccagctact agagctgcgc     240
aagcaaagca gccagatcca gaactcggcc tgcatcttgg cctcctgggt ctccggcaag     300
ttcagcagcc tgctacaggc cctggaaata cagcacacga cagcactgag gagcatcgag     360
gtggccaaga cgcaggcgct ggcacaggct cgagacgagg agcagcggct gcgggtccat     420
ttggaggctg tggctcgcca tggctgcagg atccgggagc tcctggagca ggtggatgag     480
cagaccttcc tgcaggaatc gcagctcctc cagcccccag ggcctcttgg gccactgacc     540
cctctgcagt gggatgaaga ccaacagctg ggtgacctga agcagttgct aagccggctg     600
tgtggcctcc tcttggaaga ggggagccac cctggggcac cagccaagcc tgtggactta     660
gcccccgtgg aggccccagg tcccctggca ccggtcccaa gcacagtttg tccactgagg     720
aggaaactct ggcagagtaa ggaggccgtt cgtgtatgtg tgccctgtg tgtgcgtgag     780
caaggaagtg cctgtgtgtg ctgtgagcac gtgtgtgtgt gcatgttcgt atgcacgtgt     840
gagtgagggg ggcacttgtt ttgactgtcc tgccgggaca tctgagcc                   888
```

224

```
<210> 368
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (104)...(411)
<223> similar to gi2197085 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 368
gaaaggaaat aatgttatac agaaaaaggg aaaggggtgt ctagggcaac tagggtgaat      60
atttgaaaag atatgctctg acacgcaaga atttatttca ccagaaataa atccacaaat     120
ttgtagttgg ttgatttttg acaaaggtgc caagaacatg ccacaggaaa ggacagtctt     180
ttcaataaat ggtcttggaa aaactggcta tctacatgca gatgaatgag accaggccct     240
tatttcacac catatacaaa aatcaactca aaatagatta aaatgcaaac ataagatgtg     300
aaactgtaaa actactggaa gaaaacacag gggaaaatct ccatgatact ggtctgggca     360
atgttttcct ggatatgacc ccaaaaacac agccaacaaa acaaaaatag acag           414




<210> 369
<211> 929
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (291)...(885)
<223> similar to gi52998 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 369
ccgtgtggtg gaattcccaa ctcattcagt gacaacacgt tgagatcttg aaactggcca      60
cagcatggat atttacacca aagaaattgg caaatgctat aaaccatgga ttttttttc      120
ttttgagaga gagcaagctc aatattccaa cttaccagct cactcctgac cctcaccacc     180
cactcttttg gagcaggtgg ccagaggaag gggcaccctg agcttagctc cccggcaggg     240
caggaaaggg cagggattct gaagtccaca cacaaactca ggctcccta ccccagccaa      300
ggtgcatttt cccttccaca cctgtgacct gaggatcgac ggagactgct tcatggtgtc     360
ttcagaggca gacacctatt acagagccag gatgaaatgt cagaggaaag gcggggtgct     420
ggcccagatc aagagccaga aagtgcagga catcctcgcc ttctatctgg gctgcctgga     480
gaccaccaac gaggtgattg acagtgactt cgagaccagg aacttctgga tcgggctcac     540
ctacaagacc gccaaggact ccttccgctg ggccacaggg gagcaccagg ccttcaccag     600
```

```
ttttgccttt gggcagcctg acaaccacgg gtttggcaac tgcgtggagc tgcaggcttc    660
agctgccttc aactggaaca accagcgctg caaaacccga aaccgttaca tctgccagtt    720
tgcccaggag cacatctccc ggtggggccc taagtcctga tgtcagacca catggttacc    780
tcgtctgccc tggtagcacc ttatctgttt acatatacga acacaatgct ggatcattgc    840
cccattttat accataagaa ttattcttcg ataaatatca tacattatca catgctctct    900
attctaatta ttactactgc atcctaaat                                       929
```

        <210> 370
        <211> 387
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (6)...(387)
        <223> similar to gi4454678 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 370
```
caagttctca attcttaaga gacatggcga taattcatgc tgaagaggaa ctctacaaac     60
ctgaaagatg caacagtgct tttaccacca cctccaactt ttgtatacat aaaaataaat    120
tatactaatg tgaaaccctg gaaatgtatg aaatgagaca aagcgtttat atggttgcca    180
cacttgattg taggtaagag aattaatgct gccaaaactc ctacaagtgt gaagaatgtg    240
gcaaaacttt tgagtgctta caccttattt cacaggaaag cttttatcct tgagaaaaat    300
cgtacagata taaagaatat ggaaacgcca ttaacgccca ctcacatctc aacagaaggt    360
tcatagttaa taaaagcaat aaaagtg                                        387
```

        <210> 371
        <211> 438
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (40)...(10)
        <223> similar to gi3659694 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 371
```
cctttcgaga ccctagtcag tgtggtggaa ttccctgcag agcggcggaa ccacgcgcgg     60
gagctggtgc ggtcggagga gctgggccgc tgggacgctc tggtggtcat gtctggagac    120
gggctgatgc acgaggtgag gaccgcactg cgcggctagg cctggggctt ggcgcggtgc    180
gtcccaggct gaggccacgt gtgcttcaac aggtggtgaa cgggctcatg gagcggcctg    240
```

226

```
actgggagac cgccatccag aagcccctgt gtagcctccc agcaggctct ggcaacgcgc      300
tggcagcttc cttgaaccat tatgctgggt gagagcccag ggccagagta ggcctgtttc      360
ccgtcagtgc tcctctaccg cggggggtttt cttgtctaag ctcccatagg ctgagatcat     420
ttccatttcc ccttctcc                                                     438
```

```
        <210> 372
        <211> 511
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (44)...(511)
        <223> similar to gi2981631 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 372
atcgaataac tattcagagt ggcggaattc caacatttct gcagaaatag aaaaatcaat       60
cctaaaattc atacagaatg tcaagagacc ccccccccccg atactcaaaa taatcttgaa     120
aaagaacaaa gttggaagtc ttcacttact gatctcaaaa tttaacacaa aactacagta      180
accaacagta tggtactggc ataaaaatta gcatataaac caatggaata gaataaagag     240
cctagaagta aatctttaca catatagtca gattttttgac aggggtgcca agaccattca     300
gtggagaaaa tagggtcctt tcaacaaatg gtgttgggaa aactggatat ctacatacaa      360
aaaaaagttg gacccttaca ccatatacaa atattaactt aaaatccatc aagaactagc     420
tccatccact aaggttggaa gaaaaaagag agctagaatc attaaactct ttaaaaaaga     480
agaaaaagaa ttattggccc cgtgtggtgg g                                     511
```

```
        <210> 373
        <211> 668
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (76)...(610)
        <223> similar to gi5714696 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 373
ggcccacaga tgaccccccta cctctgacat ttgataaagc tgggggggtgac ctagggcgag    60
gggcagcagt ggcagtccac gcccctctct ccactgcagc ccaccgttgc agatttcctt     120
aacctggcct ggtggacctc tgctgccgcc tggtgagtcc tgagcgggag gtgggtagag     180
aaggtgctcc ctggccggga gggctcagaa gagaagtagg gcatggcatc gtcctctgct     240
```

```
gaccacctgc actcggctcc ccgtgcgctg caggtccctg ttccagcagc ttctctacgg      300
cctcatctac cacagctggt tccaagcagg taggtagggc tttggaggcg cctcctcaag      360
tccgggtccc caatctgagc taagacgact ccatggggag ggtggggtct acgactgagg      420
gaggccggag accttgccag ggtctgtggg cggagctgag gcgctctggg ccctcgcaga      480
ccccgcggag gccgagggga gccccgagac gcgcgagagc agctgcgtca tgaaacagac      540
ccagtactac ttcggctcgg taaacgcctc ctacaacgcc atcatcgact gcggaaactg      600
ctccaggtgc tggcagtggg gcgggaccag aggccaaggg cggaacctgt gagcggcctc      660
atgccgaa                                                               668
```

```
        <400> 374
gcggtggaat tcctggcaac tcgtggtggc cgcttcagga ggtgagcctg gtctctgcct        60
tgcattcatt ctggctgggt tgggcgttgg tttctgtcga tcctcctgtt gtttacctcc       120
tgcagacact gctaggggct ctgtgagcca gcagctcccc catccgccct ccccatgtca       180
gccacctact gtgtgggaga tgttgccagg cagggcctca ggaggacacc cctgggtcag       240
ggctccccag acacctcaga gacaccccag aatcctaagg gcagcagtcg ggtactctgc       300
cccgggggaag tgggtgccag ttcgtctcct gccttctagg tgagcagcta ttcctggagc      360
cagagctggt catcccccac cgccagcacc gactcttcac ggcccccaca ttcactggga      420
gcttcctgtc accctggcca ccagcggtca ctgatgcctc cttcaaggtg aagagccacg      480
tctacagcct ggagggccag gactgcaagt acaccccgat gtttgggccc gaggcccgca      540
ccctggtcct gcgcctcgct cagctcatca cacaggccaa acacacagcc aagtccatct      600
ccgaccagtg tgcggagagc ccggctggcc actccttcct ctcatggctg ggctttagct      660
ccatggacac cagtggctcc tacacagcca acgacctgga cgagatgggg caagacagtg      720
tccggaagac agatgaatac ctggagaagg ccctggagta cctgcgccag atattccggc      780
tcagcgaagc gcatctcagg cagttcacac tcgccttggg caccacccag gatgagaatg      840
gaaaaaagca actccccgac tgcatcgtgg gtgaggacgg actcatcctt acgccctgg      900
ggcggtacca gatcatcaat gggctgcgaa ggtttgaaat tgagtaccag ggggacccgg      960
agctgcagcc catccggagc tatgagatcg ccagcttggt ccgcacactc tttaggctgt     1020
cgtctgccat caaccacaga tttgcaggac agatggcggc tctgtgttcc cgggatgact     1080
tcctcggcag cttctgtcgc taccacctca cagaacctgg gctggccagc aggcacctgc     1140
tgagccctgt ggggcggagg caggtggccg gccacacccg cggccccagg ctcagcctgc     1200
gcttcctggg cagttaccgg acgctggtct cgctgctgct ggccttcttc gtggcctctc     1260
tgttctgcgt cgggcccctc ccatgcatgc tgctgctcac cctgggctac gtcctctacg     1320
cctctgccat gacactgctg accgagcggg ggaagctgca ccagccctga aggtggcagc     1380
tgccttcaga gcaggctgga gggatttgcc acacagcccc acccttgggc tgagaggacc     1440
```

228

```
tgggaagccc ctccaggagg gaacacggtc atcctcaggc ttctggagcg gggttcctgc    1500
agccgcagag gcatctggag gaaacacaac caagaaagga aggcagttgg gccccagcaa    1560
aggagtggct accagggctc aacagccacg ctctgtgaca gcgcagagct cagcgccggc    1620
ctttccctcc ctctgccaag gactcatggc caagccagct ctcggggcct ttttttccagt   1680
gcccatttgg ctactctgct gcaccaagct tgggagccag cctgccaaga gccgcctggg    1740
cctggcctcc ccactggctg gccttgaggt aggcagagtg ggttgtggcg cctcctctct    1800
ctgtntggga ccaggacggt ggcttaagtn tccactccag gaaagaatca aagtttctag    1860
agttgtgaga aaaccagaga gtggctctcc t                                   1891
```

<210> 375
<211> 2242
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(2064)
<223> similar to gi30041 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 375
```
tgcggccgct gcagagcacc gagctgtgtc cgggcggggg agcccgcgtt gtggcagtgg      60
cggcgctccg aggccgcctg gtgtggtgcg aggagcggca ggcccgggcc gagggcccgt     120
cagggtcgcc agcagccgct ttcagccact gtgtgtgcgt ccggactctg agcccagcg     180
gggaagctag caccagcctg ggccgcacac acgtcctgct gcaccactgc cctgcctttc    240
gggctgcctg ggctccctgc agacaactct tcctggtgcc cactgccacc acctggcctg    300
gcgtggccca cgttctactc atctggagcc caggcaaggg caaagtgatg gtggctgccc    360
cacggcttgg tctctcctac agtaagagtc tgaatcctgg acgaggggac acatgggact    420
tccggaccct gctccgaggc cttcctgggt tgctgtcccc caggagcca ctggctgtac     480
acacctgggc cccaactccc cagggcctgc tgttgcttga cttcggggc actgtgagcc     540
tattgcagtc ccacggtggt acgcgggctg tgggcaccct gcaggaggca cctgtaggcc    600
cgtggggggtc tgcagcccta ggcacatttc agggcactct ggcctgtgtg ctgggctcca    660
cattggaact gctggacatg ggcagtgggc agctgctgga gaggaaggtc ctaagtacag    720
acagggtaca tctgctagaa ccgccagccc ccggcatgga ggatgaggaa gagctggaga    780
cccgagggaa tcttcgtctg cttttcagcct tgggtctgtt ttgtgtgggc tgggaagccc    840
cacagggtgt tgagttgcct tcagccaagg atctggtgtt tgaggaggcc tgcgggtact     900
accagcggcg gagcctgcgg ggtgcccagc tcactccaga agaactgaga cacagcagca    960
cattccgggc acctcaggct ctggcctcca tcctccaggg ccacctgccc ccatctgcac   1020
tgctgaccat gttgaggacc gagcttcggg attaccgagg cttagaacag ctgaaggccc   1080
agctggtggc tggggatgat gaggaggctg gttggactga gctggcggag caggaagtgg   1140
cacgcctgct gaggactgag ttgataggag accagctagc ccagctcaac accgttttcc   1200
aagccccttcc tacagcagcc tggggtgcca ccctcagggc cctgcagctc cagctagatg   1260
ggaatggcaa gctgaggtcc caagcacccc ctgatgtgtg gaagaaagtg ttaggggggaa   1320
taaccgctgg aaaggaaccc cccaatggaa tactgccccc ctttgaactc ctgtgccagt   1380
gtctgtgcca gctggagcct cgatggctgc caccctttgt ggagctggca cagcagcagg   1440
gcgggccggg ctgggggggca ggggggcccag gactgcccct gtatcgccga gctctggcag   1500
tgctaggtga ggaggggacc aggcctgagg ctctggagct agagctgctc ttgagcagtg   1560
ggcggcctaa agctgtgctc caagctgtcg ggcagctggt gcaaaaggaa caatgggatc   1620
gggctctgga tgctggcctg gccctcggcc cctccagtcc cctgcttcga agtgaaatct   1680
tcaaactgct gctggccgag tttgcccagc accgccggct tgatgctcac ctccccctcc   1740
```

229
```

```
tttgccgcct gtgcccacca gaactggctc cagctgagct cctgcttcta ctgaggacat   1800
acctcccaga tgaggtgggg cccccaaccc cattccctga gcctggagca gagcccctc    1860
tcactgtggg cttgctcaaa gccctgctgg agcagactgg ggctcaagga tggctgtcgg   1920
gcccagttct aagcccatat gaggacatcc tatgggaccc cagcactcca cccccgactc   1980
cacctcggga cctatgacta cccttcaggc atcagaacac tcagggcctg gaggcttgct   2040
tgggactgga ggcttgcttg gacagttcct ctgtgtcact gacacaggaa atcatttcta   2100
ggacacagtg atcagggaag ggtgcctggg acttggaggg tcccatgtat ggacctgtgt   2160
atgcaatact gttctgtcat ctggagctat ttttaagatg tgtgtgttaa atatatacat   2220
agtttaatat ataaaaaaaa aa                                            2242
```

```
          <210> 376
          <211> 507
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (42)...(433)
          <223> similar to gi2981264 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
          <400> 376
tctgaggccc caagggaaga ggctgcactc cacctctctg ccccgttcgt tctgtgtatg    60
cccctacaag aatgctcacc tcttgccctc aggttgcatt tttcaactcc gctggagcca   120
atgcccagga ggagcaggca cggttatgag agcaggtgaa agagcagagg gtgtgctgcc   180
agcgcatggc tcacctggtg gcctcagccc agcagaagcc agaggcagcg gtcccagccc   240
cagtgactag gggccagtct gtgagtgggg agacccaccg ggccatgcag gaggtcatgg   300
agaagctgga ggtgactgag tcctggcatg ggccaagaag ggcaggggtg ggtgttgctg   360
ccgagatgtg accccattat tttggctcca gagtggcctt atggacctcc tggaggagaa   420
ggtggacctg agggagcgag cggagaaact agaacttcga ttcatccagt actggaaaga   480
cagaagtcat cagttagtgg gaattcc                                       507
```

```
          <210> 377
          <211> 481
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (86)...(463)
          <223> similar to gi179594 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

<400> 377

```
agggatgaga ccatatcaga tgagacttcc cccccagga gaacaagccg ccccctgtac    60
tcatcacgct gcctgcagag cccacactgc ccccagacgc ctacagccac ctccagggtc   120
acctcggcca cttccctggg cccgaacccc tggccttccc cgtcaaggag ctgcagggca   180
gtggggcccg acctggggtg cccctgtacc caccgggcct cagcgagctc aaggtggccg   240
aggtcaagga gggggccctg ctgggagcag gcaaggccaa ggcccccaag acggccagag   300
ctttggcact gcctgacaag gttctgctgg aggacgccat gaagctcttc gactgcctgc   360
caggcgcctc tgagcctgag ggtaccctgt gcgaggtccc tgggccggcc ctgcctgaca   420
gcagtggtgg gaactcagcc gatgacatcc gctcgctgtg cctgcccgag gagctgctgt   480
c                                                                   481
```


<210> 378
<211> 1723
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1472)...(101)
<223> similar to gi2605798 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 378

```
taccagttct ccaacaggcg gctcatgccc ttagagtaca catccccagc atctgtgcat    60
cacaacactc ggtccggtgg tggctctgct cctacacaca ccaggacctg ggccttgaga   120
ggaccctcct tcctgatatc ctctacagag atgtggcctt cctcaacccg gtcgacccca   180
tctcccatga cctgcttgtg aacctggccc gggacctgca gtgccccaag aagctgccca   240
gaaccccatg ctgacagcac ctgcagatgt cctgccatga gcatcgacac agccccagga   300
tgtgtggctg tgaccagcca ccggacccag actcctagtc acagtgagtc cccaaccaaa   360
accagggtat ccgctctggg ccctgccagc tctgaatgcc caggtctctg cacagtcggc   420
ccctaggact ctgcgcctag cccacggcca tcacaggaac agccagggct tgcagctgct   480
gtgtgtgctg cctgctcctg gggctgctca cagagggact ggataaagga tgcagtggag   540
catgctcagt gccagctttg tgggccgcgc acctcggatt ccaccctgag ctgggcctct   600
gccggagccc agttaggact gagagagagc caggtggtgg tgctgtaaaa cattacatcc   660
cccagccctg tcagcccaga cccagacccc gcaggcgcag tctcgcttgg agagtgagag   720
gaagaagaac acgctgacct ggcttgttcc tactccctgg gattggcgtc agtggagcac   780
ggctccctcg aggggcctgg tctggcctcc tccccctgtg gactatgagc tctggaagtc   840
ctcggacaag atctgccgac agctcatcta ccacctcacc cctcactcga agcagcagca   900
agggtccagc ctgcgccaga ggaagaccca gagctgcctc aagagcagcc tccagaagac   960
tctgctggca ggggagactg tggacctctc aggcatcccg ctgtcgacac aggacgtgca  1020
acacatcaca cgctacctga gcagccatgg tgctgtgctg gcggtgctgg acctgagctt  1080
cacggggctg agtgatgagc tgctgcacct cctgctgccc agcctgtggg cgctgccccg  1140
cctcacccag ctcctgctca acggcaaccg actgacgcgg gccactgccc gcaagctcac  1200
tgatgccatc aaggacacca ccaagttccc tgctttggct tgggtggacc tgggcaacaa  1260
cgtggatgtg gcttccctgc cccagcccct gctggtcggc ctgcgccggc ggctgagcca  1320
gcgcacctca ctccccacca tctacgaggg cctggacctt gagcctgagg gcagtgcggc  1380
cggggccacc accctgcct ccacctggga ctccacagct gctgggctgg acccgagcc   1440
ccaggcctgc tgtgccaggt gacccaccac ccacctggct cattgctact gacttgtgat  1500
gctctcaagc acatgatagt gggcgatgaa ggtcaaggag gactcacagg cccccagaaa  1560
tccagtgtaa atgctcagcc tgagattaag gggacagaag aatggactca taggtggcca  1620
```

231

```
ggtggccagc cctggctaga ggctcagcct tccctcagtg ggaggggccc cagcacccac    1680
agtgtggacc ccgcaataaa gagtgacacc cgcaaaaaaa aaa                      1723
```

<210> 379
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(490)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(403)
<223> similar to gi2197085 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 379
```
ntgatatgat tgtataccta gaaaacccta aagactcctc caaaaagctc ctagaactga     60
tagaagaatt cagcaaagtt tccacataca aaatcaatgt acacaattca gtacctcccc    120
tatacaccaa caggaaccaa gctgagaatc aaatcaagaa ttcaacccct ttctcaataa    180
ctgaaaaaga aatactcagg aatatacata atcaaggagg tgaaagacct ctgcaaggaa    240
aactacaaaa cactgctgaa agaaatcata gatgacacaa acaaatagaa acacgttcca    300
tgctcatgga tgggtagaat caatattgtg aaaatggcca tactgccaaa agcaatctac    360
aaattcagtg taatccctat caaaatatca tcatctttct tccgnacgcg tgggtggacc    420
cgggacctcc atnccnnang cncntgcgna cgtcgtcagt caccagggnn nncgggcncc    480
gctcctccc                                                            489
```


<210> 380
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)...(604)
<223> similar to gi854065 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 380
```
aagaaacacc gcatcttgcc catgcgagcc tggtcatgcc aacctgtgcg tctctgttaa     60
```

```
tttccgtgtt ttcacgccca cctgcgtgtc tgtgaatttc catgttttca cgcccacctg      120
tgcgtctgtg aatttccgtg ttttcacgcc cacctgtgcg tctgtgaatt tccgtgtttt      180
cacgaccacc tgtgcgtctg taaatttccg tgttttcacg cccacctgcg agtgtctgtg      240
aatttccgtg ttttcatgcc cacctgtgca tctgtgaatt tccgtgtttt cacgcccacc      300
tgcgtctgtg aatttccgtg ttttcacgcc cacctgcgtg tctgtgaatt tccatgtttt      360
cacgcccacc tgtgcgtctg tgaatttccg tgttttcatg cccacctgcg tctgtgaatt      420
tccgtttttca cgcccacctg tgcgtctgtg aatttccgtg ttttcacgcc cacctgcgtg      480
tctgtgaatt tccgtgtttt catgcccacc tgcgtctgtg aatttccgtt ttcacgccca      540
cctgtgcgtc tgtgaatttc cgtgttttca cgcccacctg cgtgtctgtg aattaccgtg      600
ttttcatgcc caccacgcgt ccg                                             623
```


        <210> 381
        <211> 523
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(525)
        <223> similar to gi2065210 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

      <400> 381
```
tcaaatgccc atggactcca ctcctgccac cctgccttct ctccctcagc ctgcacagat       60
ggcttcatgg ggagttctct atgatcagtt gacagaggaa gagaagacta ggggctgact      120
catagatggc tttgcatgat acacaggcac caactgaaag tggacagctg cagcactaca      180
gcccctttct aggacgtccc tgaaggtcaa caatgaaggg aaatcttccc agtgggcaga      240
actttgagca gtgcacctgg ttgtgcactt tgaatgaaag gagaaatggc cagatgtgta      300
attatatact gattcatggg ctgtagccaa tggtttggct ggtcagggac ttggaaggag      360
catgattgga aacttggtga caaatttggg gaagaggtat gtggatggac ctctctgagt      420
ggtcaaagac aagatatttg tatcccatgt gagtgctcac caacaagtga cctcagcgga      480
ggaggggttt aataatctag tggataggat gacccatttt gtg                       523
```


        <210> 382
        <211> 871
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (533)...(864)
        <223> similar to gi2429362 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

<400> 382

```
tttttttttt ttccggcact aagtcaagtt ctttacttcc cagaagtgat ggctaagggg      60
agggaggagg gtgagaagag gaagacagaa agagccagag agaatgagga ggtgagaagg     120
gggggacagt aaaccactgt tctatgaagt ctcacgaggc aagtgctcaa ggtaaaaaaa     180
gagtcctgga gaatcgtcca cggctgcggg aagcatctcg gtttccttct gctttttaagt    240
cctctcaggg aaggctgtcg ccgctgccgc tgcattaaat agttatgtac atcgcagaga     300
gtcccaggcc atgggcaggt gggggagggg cgtcatttca ccaggggccg agttttatca     360
tcgtcaccgc actggtgagc tttgtacttt ttcacttctg ccatgtactt ggcccacgcg     420
tcacctttac ttgttaatac ctcatcctcc gtcttctgct tcttggctac tattcccgtc     480
ttgagggcta gtttgttccc gcctctgcgt ttgcccacga agctaagtgt ggagcccgga     540
ccgcccttcc tcttcggatc cccggggcca gcggcggcgg ccgactggtc gggtcgctgc     600
ggacccgggg gcggctcctc ctgccgctgc cgctgctcct cctccatctt ccgcttgaac     660
agctccagga agctgccgtc gttggcgaac aagttcacgc cgcccgacac cgggctcgaa     720
cccgcgcccg acacctcctc gtccccgctc tcgggcgacg tccccgatcc cgactcagcc     780
caacggctcc cgccaccgcc accgcccgcg gggcccggag cctcccggcc ctgaggctcc     840
gcccgtctcc ctcgggcagc cattttgtcg c                                    871
```

<210> 383
<211> 2219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2220)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (9)...(2012)
<223> similar to gi2529686 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 383

```
gaattcttgg acacttgtca tctgtgtact gtgtaacttt tgatcgaact ggcagacgga      60
tatttactgg ttctgatgac tgtcttgtga aaatatgggc aacagatgat gggaggttgt     120
tagctacctt aagaggacat gctgctgaaa tatcagacat ggctgtaaac tatgagaata     180
ccatgatagc agctggaagt tgtgataaaa tgatccgagt ctggtgtctt cgaacctgtg     240
cacctttggc tgttcttcag ggccatagtg catctattac atcactacag ttctcaccat     300
tgtgcagtgg ctcaaagaga tatctatctt ctactggggc agatggcact atttgttttt     360
ggctctggga tgctggaacc cttaaaataa acccaagacc tgcaaaattt acagagcgcc     420
ctcggcctgg agttcaaatg atctgttctt cttttagtgc tggtggaatg tttctggcga     480
cgggaagcac agatcatatt attcgggttt attttttttgg atcaggtcag ccagagaaaa     540
tatcagaatt ggagtttcat actgacaaag ttgacagtat ccagtttttcc aacactagta    600
acaggtttgt aagtggcagt cgtgatggga cagcacgtat ttggcaattt aaacgaagag     660
agtggaagag catttttgttg gatatggcta ctcgtccagc aggccaaaac cttcaaggaa     720
tagaagataa aatcacaaaa atgaaggtta ctatggtagc ttgggatcga catgacaata     780
cagttataac tgcagttaat aacatgactc tgaaagtttg gaattcttac actggtcaac     840
taattcatgt cctgatgggt catgaagatg aggtatttgt ncttgaacca cacccgtntc     900
```

234

```
gatcctagag ttctctttc tgctggtcat gattggaaac gtgatagtgt gggatctggc    960
aagaggagtc aaaatacgat cttatttcaa tatggttgca gggaggaaac ccattcgttc   1020
tggattaatg gaactggaaa acagaaaaca attatcagat tgaaggccaa ggacatggcg   1080
cagtatttga ctgcaaatgc tctcctgatg gtcagcattt tgcatgcaca gactctcatg   1140
gacatcttt aattttggc tttgggtcca gtagcaaata tgacaagata gcagatcaga    1200
tgttctttca tagtgattat cggccactta ttcgtgatgc caacaatttt gtattagatg   1260
aacagactca gcaagcacct catcttatgc ctccctcttt tttggttgat gttgatggta   1320
accctcatcc atcaagatat caaagattag ttcctggccg tgaaaattgc agggaggagc   1380
aactcatccc tcagatggga gtaacttcct caggactgaa tcaagtttta agtcagcaag   1440
caaaccagga gatcagccca ctgtacagca tgattcaaag actacaacag gagcaagacc   1500
tgagacgttc tggtgaagca ggtatcagta ataccagccg tttaagtaga ggctccataa   1560
gttctacctc agaggttcat tcaccaccaa acgtaggact aagacgtagt ggacaaattg   1620
aaggtgtacg gcaaatgcac agcaacgcac caagaagtga aatagccaca gagcgggatc   1680
tggtagcttg gagtcgaagg gtggtagtac ccgagctatc agctggtgta gccagtaggc   1740
aagaagaatg gagaactgca aagggagaag aagaaataaa gacttacagg tcagaagaga   1800
aaagaaaaca cttaactgtt ccaaaagaga ataaaatacc cactgtctca aagaatcatg   1860
ctcatgagca tttcctggat cttggagaat ccaaaaagca acagacaaat caacacaatt   1920
atcgtacaag atctgcattg gaagagactc ctagaccctc agaagagata gaaaatggca   1980
gtagttcttc agatgaaggc gaagtagttg ctgtcagtgg tggaacatcc gaagaagaag   2040
agagagcatg gcacagtgat ggcagttcta gtgactactc cagtgattac tctgactgga   2100
cagcagatgc aggaattaat ctgcagccac caaagaaagt tcctaagaat aaaaccaaga   2160
aagcagaaag cagttcagat gaagaagaag aatctgaaaa acagaagcaa aaacagatt    2219
```

<210> 384
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (770)...(197)
<223> similar to gi4263748 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 384
```
atcatcaaaa agaaggccga tttcatgtgg tttttcctgg ctgtcggtga gtccacagct    60
aagaaaacac taattcagta caacctaaag tgtaatctgc tagtatcttt tacagctggt   120
ggtggtaaaa atatgtgtac agcggaagaa taattggaca aatttacaaa acttgtgaaa   180
atgtaaggtg gtttattcat tgtgttattc atcagcaggt actttgcaga aaatatctta   240
atttatcatg tgttattgaa ctcttagcat cagtaatttt acttggtttt gtgaatcatc   300
atcagttcca taagtttttg tcagaaatag aagctgaata ttctgatgtg ccctgccgcg   360
cagtagtttg atggcttagc agtggtagtt ttctttcaac tttttgagct cagggctgag   420
attgaaaatt ttctgaatga ggagaatcgc tcccaaccac tattgaatgc tgaatggctt   480
tggaaattag cttttgctgc agactaggta atgtttgtta atgaattcaa cctaaaactc   540
caaagtaaaa cagtgcttat gcgaaccta tgcttcacgg aagtcatgtt gatgacagca    600
aatgtttaaa tcataagtca tgttaaactg ccttggatac ttactgcgct ggcaaaagtg   660
aaaacaaagg cgagctctcc attcctacac acatgttcca aatgcatgct atagttctat   720
cacggattgt gcatctcaat gtgaacccat aggacatttc tctaattcct                770
```

235

```
<210> 385
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(851)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (372)...(701)
<223> similar to gi1526978 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



       <400> 385
ctttcacaaa aatccatgaa ttattcttta ataaaagaaa ctcttggccc cgcttttttg      60
gatacacaga atgctttcca ttgaatcatt tggtcataat ccgggtacaa agcaaattta     120
acacgtgtga gagatgcaga aaaaggtccc ttctatgtac accttgccaa atacaagaac     180
ataaagaaag aaaaaagcaa agtttaagcc tttaggtcat ttgtaaaatg ttgccaaacc     240
catgctgcta cttttaacag agaagtctga gttttaaaat tcaaacgttc ttttcttaca     300
aagaaaaagt gcctctatct gccaagcgca tgatcttatg agcttcagat agaaaagtgg     360
ctatgacttg tgactgtttt tggttcagaa caatgctaga tcaacatgca agttgtatgg     420
aggtggggac agaaagggag cggcaggctg gggtggctgg taatgtttga tccctctgga     480
tttcccacag gagaaaaggt tctgcaggac gatgagttca cctgtgacct cttccgattc     540
ctgcaactac tctgtgaggg acacaactca ggtttgtgag tccccggaac ttctgatgat     600
actaaggcat aaataatgtt ttcaagccag taataacaag agcctgttag ttccaattat     660
gcatcgttct agagacagca aatcattcta gagcatggct ctgcattggg atctgggncg     720
ttttatnttt ggggtccgcg cacgtccaca atntcaaann nncggcgccc aggggtcccg     780
cccccccgaga cgaattagat agatggaagg tgtgaatggt ggtaaagatg gacaaagtga     840
tgcggggtgg                                                            850



       <210> 386
<211> 949
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(950)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (221)...(932)
<223> similar to gi4960038 in the genepept database release 114,
```

<400> 386

```
atttgatggt aatttgctgg gattacaggc gtgagccacc acacccggcc ggaagatatt      60
aattcttata tgtgtatgtt caacagatac tgaatctcag gtgaagcaaa gtgccttcat     120
cattgtagca aatcctacat ttaaatgaaa tcagataagt actggcatat aatcaaaatt     180
tattttttat gttgattccc aatcaatgat ttttttttt caaacaccaa caagacataa      240
agtacttatt atggaatttt gtccatgtgg gagtttatac actgttttag aagaaccttc     300
taatgcctat ggactaccag aatctgaatt cttaattgtt ttgcgagatg tggtgggtgg     360
aatgaatcat ctacgagaga atggtatagt gcaccgtgat atcaagccag gaaatatcat     420
gcgtgttata ggggaagatg gacagtctgt gtacaaactc acagattttg gtgcagctag     480
agaattagaa gatgatgagc agtttgtttc tctgtatggc acagaagaat atttgcaccc     540
tgatatgtat gagagagcag tgctaagaaa agatcatcaa gaagaaatat ggagcaacaa     600
gttgatcttt ggaggcattg gggtaacatt ttaccaaggc aagcctactg gatcaactgg     660
ccatttaana cccctttgaa ggggcctccg tanggaataa agnaagtgat ggtataaaaa     720
taattacagg gaaaggcctt ctgggtgcaa tatcctggag tacagaaaag caagaaaaat     780
gggaccaatt tgactgggag tgggaagaca tgcctgtttc ctgcagtcct tcctcggggg     840
tcctcagggt tcctaactta ccccctgttc ttgcaaaaca tccttgaaag cagatcaagg     900
aaaaagtgtt ggggggtttg accaagtttt ttgcaagaaa actagtggg                 949
```


<210> 387
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(705)
<223> similar to gi3875032 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 387

```
cggacgcgtg gggtattttt ttgcagccat tctgatgaca gagaaagcag atgcagaaga      60
gaatttggaa gatgccatgg aggaggttcg taaagtgaat gaaagcatca agtataatca     120
cccattgaga aaatgtgttg atacaatact taaaaagtgc cctacagagt atcaggaaaa     180
aatgggtagg aacatggatg attatgaaga ttttgatgaa aagcatagta tctatccaag     240
tgaaaaaagt ctggtaaaac tgcataaaca ggtgatttat tcagttcaga gacaccgtcg     300
aactcaagta caatggcaga ttcttttgga acaagcattt tatctagaag atgtagcaaa     360
aaatgaaact agtgctactc atcagtttgt tcacaccttt caatcgccag agccagaaaa     420
tcgatttatc caatattttt ataatcctac atttgaatgg tactgggaat gtcttttgcg     480
accatggttt tacaagatac ttgctgtggt tctgtccatc ttctctgtga ttgttgtgtg     540
gtcagagtgc acattcttta gcactactcc tgtcttatcc ctctttgcgg tcttcataca     600
gctggcagaa aaaacatata attatattta tatcgagatt gcctgcttcc tttccatctt     660
cttcccaagt atctgtgttt attctactgt gttcaggacg aaa                       703
```

```
<210> 388
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(398)
<223> similar to gi1334115 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 388
atttaaacca tatgatattg atatttgcat taattacaga aggtctaaat ttcagttaaa      60
aggcagagat tatcagattg gctagaaaag aagatgcaac tatgagctgt ctacatgagc     120
ccaccttaaa tactaagact cagataaatt aaaagtataa aaggatagaa atagatatgc     180
catgcagaca ttaatctgaa gaaagctgga gtagctatgt taataataga caagaagatt     240
tcagagcaaa gaatttacag aggtaaagag agacaattca taatgataaa ggggtcaaga     300
catcaagaat acctaacaat cttaaatgtt tatgccagag cttcaaagta catgaagcaa     360
aaactgatgc aattgaaaga agaactaact ccacatttgt agttcaggat ttcagctggt     420
agaacaagta aacagaatc                                                  439
```

```
<210> 389
<211> 458
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(407)
<223> similar to gi306893 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




<400> 389
aatcaatctg aactgaatca ggctggccgt cagggcctcc aaagtactgc ttctgtctgg      60
tcagcctgct gctacagcct tggccagcta ggccctgctg ctcatggtgc cagcccagag     120
aggagccagc caggagatgg tgagtgctgt ggggggtgggg agccccaagg agaaggcact     180
gaggaggaaa aacaggatta gcagctcaaa ctgccagaga cagaaagcaa gctcaaatga     240
gtgacctgaa acagcaagtg gtagatttag aacagaacca aaaacttttg ctagaaaatc     300
agtttttaca agagaaaatg catggactcg tagttgagaa ccatgagtga agacagcact     360
tggggatgga tgctctggtt actgaagagg aggcgaaagc caagataatt ccatctattt     420
gatgcttgac atccctaacg gacgcgtggg tcgaccgg                             458
```

238

<210> 390
<211> 761
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(761)
<223> similar to gi340613 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 390
gcctctccta actttttaaa gccgcctctc ctaacagttt tttttggctg tgtatgaact   60
tataagttga tcattttttgt cagcactttta aagacatcaa agtattttga tatcttcagt   120
attaatatct tttggctttt tttgttcctt gtgaaagaca gctttcagtc tgttgttcct   180
ttataaataa ttgattttttt cctctatgct tttaatcatt tgtcttcagt gttcttaggt   240
ttcactgtaa aatgtgtagg tgtagatttg tcactactta tactatttgg gattcactga   300
gctccctgaa tctgaggatt catgtctttc atcaattcta gaaaattctc attcattatg   360
ttttctttaa atatttacta tactccattt tcttttcttc tagaattcca gttagctatg   420
tatgttgcat ctacttagac taacctctat gttttcaaat tctctttctc gttttctatt   480
ctgttgtctt tctatactgg attctgggta atttctctag tgctgtcttc tggttcatta   540
attccttctt tagctgtgtc taatccattg aggtttctag tttcattatt attcacactt   600
tttcatttct agaagtttta tttggttgtt tttcatatct accctcccgt tttaatagtt   660
ttttgttctt ttatcctttt taagtcttta aaaacctttt ttttgacata ttaaacaaac   720
tcctttttatt ttttataact gaaccccttt tttctttttc c   761

<210> 391
<211> 630
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> similar to gi2072972 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 391
attaaagaag acctaaataa atggaaaaac atcccatgtt catggatcag aagagttaat   60
gctgttaaga tgacaatatt cctcaaactt gtctgcagat tcagcataat ccctgtcaga   120
atctctgctg acatctttgc agaaattgac aagctgatgc taagagttat atgaaattgc   180
aagggaccca gaatagccaa agaaatcctg aaaaagaata aagtagaaaa acccacattt   240
cttcattttg aattacaaaa caatagtaat taagaagtgt gttactggca caagggtaga   300
catagatcat tgtattttttt aaaaaatggt gattccagaa ataaatgcaa acatctgtag   360
tcaactgatt ttcagtaaag gtgccaagtc cattcagtgg ggaaagaaca gtcttttcaa   420
caaatggtgc tgggacaagt ggatagtcac gtgcaaaaga atgaagttgg acacttacct   480

```
tacattatat ttaaaaagtt ggctgggtat gacggcccat gcctgtagtc ttagcacttt    540
gggaggctga ggcagaagga tcacttgaac ccaggagccg agattgtgcc actgcgttcc    600
agcctgggtg acagagtgag actctgtctc                                     630
```

```
<400> 392
aggcgaaagg gggcaaagga ggaggagcta cagcaagaag aggaggagga cagcacatag     60
aagagatgga gcaggaggaa gagataagga ggaggaggaa gagatggaga aggaggaaga    120
gatgcaggag gaggaagaga tggaagagga agagatgaag aggaggagga ggaagagata    180
gaggagaagg agtaggaaga gatgtaagag gaggaggaaa agatgcagga ggaagaggaa    240
gagataaaga ggaggaggaa gagatgcagt aggagaagca agagatgagg aggaggagaa    300
ggaagagatg aaagaggagg aaaagatggg ggaggaagag gaagagatga agaggaagag    360
gaagagatgg aggaggagga ggaagagatg aagaggagga ggaggaacac ctgaagagga    420
ggaggtggaa gagaccaaga ggacgccgct gcactcctgc cccggaggcc gtgcctcact    480
ctgtctcaac nnnnnnnnnn ncannnnnnn nnnnnnnnnn ntaagaggtc ccgcccccccc    540
ctccctgct tccccccccc nnnnnnnnnn nnnggggccc cttattttcc ttnnnnnnnn     600
nnntttttc ccccgccggc ccgggaaacc cccggccctc ccccatttta tccccctccg     660
cccctccct ttttccccgc tgggtttttt cctaagcggc cccccccaac tttatc.       716
```

<400> 393

```
tagaaacctt cgtagaccct agtcagtgtg gtggaattcc ttccgacagc ccccatccag    60
tcatcacccc gtcacgggcc tcagagagca gcgcctcttc cgacggcccc catccagtca   120
tcaccccgtc acgggcctca gagagcagcg cctcttccga cggcccccat ccagtcatca   180
ccccgtcacg ggcctcagag agcagcgcct cttccgacgg cctccatcca gtcatcaccc   240
cgtcacgggc ctcagagagc agcgcctctt ccgacggccc ccatccagtc atcacccct   300
catggtcccc gggatctgac gtcactctcc tcgctgaagc cctggtgact gtcacaaaca   360
tcgaggttat taattgcagc atcacagaaa tagaaacaac gacttccagc atccctgggg   420
cctcagacac agatctcatc cccacggaag gggtgaaggc ctcgtccacc tccgatccac   480
cagctctgcc tgactccact gaagcaaaac cacacatcac tgaggtcaca gcctctgccg   540
agaccctgtc cacagccggc accacagagt cagctgcacc tcatgccacg gttgggaccc   600
cactccccac taacagcgcc acagaaagag aagtgacagc acccggggcc acgaccctca   660
gtggagctct ggtcacagtt agcaggaatc ccctggaaga aacctcagcc ctctctgttg   720
agacaccaag ttacgtcaaa gtctcaggag cagctccggt ctccatagag gctgggtcag   780
cagtgggcaa aacaacttcc tttgctggga gctctgcttc ctcctacagc ccctcggaag   840
ccgccctcaa gaacttcacc ccttcagaga cactgaccat ggacatcaca accaaggggc   900
ccttccccac cagcagggac cctcttcctt ctgtccctcc gactacaacc aacagcagcc   960
gagggacgaa cagcacctta gccaagatca caacctcagc gaagaccacg atgaagcccc  1020
caacagccac gcccacgact gcccggacga ggccgaccac agacgtgagt gcaggtgaaa  1080
atggaggttt cctcctcctg cggctgagtg tggcttcccc ggaagacctc actgaccca   1140
gagtggcaga aaggctgatg cagcagctcc accgggaact ccacgcccac gcgcctcact  1200
tccaggtctc cttactgcgt gtcaggagag gctaacggac atcagctgca gccaggcatg  1260
tcccgtatgc caaaagaggg tgctgcccct agcctgggcc cccaccgaca gactgcagct  1320
gcgttactgt gctgagaggt acccagaagg ttcccatgaa gggcagcatg tccaagcccc  1380
tgaccccaga tgtggcaaca ggaccctcgc tcacatccac cggagtgtat gtgtggggag  1440
gggcttcacc tgttcccaga ggtgtccttg gactcacctt ggcacatgtt ctgtgtttca  1500
gtaaagagaa gacctgatca cccatctgtg tgcttccatc ctgcattaaa attcactcag  1560
tgtggcccag aaaaaaaa                                                 1578
```

<210> 394
<211> 462
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4)...(438)
<223> similar to gi804810 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 394

```
aaactaaatg agcttagtga gactgcaaaa taaagatcaa tatatataaa gcagatgatt    60
ttgcatgaac tagccatgaa caatctgaac cttaaaacct taaatgccat ttataacncc   120
```

```
ataaacaata tgaaatacat agtgatgcat ctggcaaaag aagtgcaaga tgtatagtat        180
aaaaattaaa aacacttctg ggagaacttt aaaaaagacc taaatagaga tatactatgt        240
tcagagacta caagactcaa taccattaat atgtcaattc tttccaacct gacctataga        300
ttcagtgaaa tcccattttg aatattcagg aggctttttg ttttgtagaa attgggaact        360
caattctaaa atacatatgg acatgcaaag gacctagatt agtgaaaaca acttttaaaa        420
ataattctga aagttggaaa ataggctggg cgcgatggct ca                          462
```

```
        <400> 395
aaaaatagca attataaata tatatgcact caatatcaga ctatataaaa aagtgaacat         60
taaagtaact gaagggagaa ataaacaaca atacaataat agtaagagac ctcaatatca        120
cactttaata atggatagaa tatccagaca gaagaccaat aaaaaaacag aggatttgaa        180
cattattaac caaataaccc taacagtcgt atgcagaaca gttcatccca aaacagcaga        240
gtacacaatt tttccaaata catatgaaac tttctctagg atagatctag cacgttaggt        300
cacaaaataa gtcttaataa atataagaag attgaaatca tatcaagtat ctttactaac        360
tacaatggaa tgaagctaaa attcaatagc agaaggaaaa cgtggaaatt aaacaacac         419
```

```

<400> 396

```
cggacgcgtg ggcttttaac cagttctcta accttactgc acgtaagata atttatactg   60
gagagaaacc ctacaaatat gaagaatgtg acaaagcctt taacaagttc tcaacccctta   120
ttacacatca gataatttat actggagaga aaccctgcaa acatgaatgt ggcagagcct   180
ttaacaaatc ctcaaattat actaaagaga aactacaaac ctgaaagatg tgacaatgat   240
tttcactaca cctcaaactt ttctaaacat aaaccatatt ggtgccctag aaatgtgagg   300
aatatgacaa ggactttaaa tggttgtcat gcttgattgt aggtaagata atttatattg   360
gagaaaaatc ctccaagtat gaagaatgtg gcaaactttt aaccaatcct cacaccttat   420
tgcacaggaa agcatttata cttgagaaaa attgtataaa gaatatggaa aagccattta   480
tatctgctca catgtaaaaa catcagttca tacttaataa aatgcaatta ccgtcaaatc   540
tttcagaaaa tataagcctt taatacgagg aagagtattc ttaagatgaa cattacaaat   600
agaaagaggg ttgtagtacc tttagtttta tgatagatct tattgtacac attttgtacc   660
agaggaaaac cctaaagcat tagttgctca aactttgttc gacatcaggg aatttgtatt   720
ggagaaaaac cctgcaaatg taataaatat ggaaaaacat tttttcaaaa actacagctt   780
ggaaaacatc agagagttca tactaaaata tattttttgca gatgcagtaa atatgaaaaa   840
tatttaatcc caaattaagt ctatgtaaat atcagaattc acagtaggaa atcataaggc   900
ataaggcact gatacttcag acattacact taaattagga gtgttgagta tagggagatc   960
ccaaaactta aaattgttta gggtaagtta ttttatatta ttaactttaa aaaggaagtt   1020
aggaaggttt ttttgggagg tttttttantt ac   1052
```

<210> 397
<211> 936
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(738)
<223> similar to gi4884092 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 397

```
aactcccagg gctccagggc cctcctccgg ccccaggcct accccagtca cggacgggtc      60
tcgctctgtc actcaggctg gagtatagtg gcatgatcac ggctcactgc agcctcgacc     120
tcctgggctc agttgctgtt ctctgtgtct gtgacttatc cccagcacag tgtgacatca     180
actgctgctg tgatcccgac tgcagctccg tggatttcag tgtctttttct gcctgctcag    240
ttccagttgt cacgggcgac agccagtttt gtagtcaaaa agcagtcatc tattcattga    300
attttacagc aaacccacct caaagagtat ttgaacttgt tgaccagatt aatccatcta    360
ttttctgcat tcatattaca aactataaac ctgcattatc ctttattaat ccagaagtac    420
ctgatgaaaa caattttgat acattgatga aaacatctga tggttttaca ttgaatgctg     480
aatcatatgt ttccttcaca accaaactgg atattcctac tgctgctaaa tatgagtatg     540
gggttcctct gcagacttca gattcgtttc tgagatttcc ttcgtccctg acatcatctc     600
tgtgcactga taataaccct gcagcgtttc tggtgaacca ggctgttaag tgcaccagaa     660
aaataaattt agaacagtgt gaagaaattg aagccctcag catggctttt tacagcagcc     720
cggaaattct gaggtgggcc cttcagaaag aaagctgcag ctctactggg gaggcaagag     780
cttgtcattg aggaggcttg gccagaggc aggaagacca gttaggagtc tgtggaaatc     840
gcctgggcaa gcaatggtgg ccttccagca aggacaggtg cagtgagagt gaccaggagt     900
gcaagaactg tgctttccac agtgctattg gccgga                               936
```

243

<210> 398
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (676)...(753)
<223> similar to gi2708329 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 398
gcctcccaaa gtgctgggat tacaggcctg agccaccccg cctggcacct tactatattt   60
taatgaatga aatgatgtag tatggaaaaa aaaaaaatcc ctaaatggag acctgagttt   120
ccatctcatc tttgctactt aattctgagg tttcaggaag attatttaac ctatctgagt   180
tttcttatct taaggataaa gatgaattca cctaccctat gggactatta agaataaaat   240
gaaggtcctg tgtaaaaaac taaataactg ttcattattc ttgctgctgt tggttggatt   300
gagtagaaag gtcctatggt taggacatta taaagtacgt ctacttagct tctaagatgt   360
aatatttcta taacttcagt aaggatgtgc atttaatagt caataaatta aacctttaa   420
agctgtgatt taaaaactat aaaataaaca atgaaatgag aaatgggcaa attcaaataa   480
ttttatttta ccttgagcaa gaagactatg ccaatgctaa tgctttgctt tcccctgccc   540
ctgcccttcc caaagagaag agaacagaca gcaatggcag agtatatttc gtcaaccaca   600
acacacgaat tacacaatgg gaagacccca gaagtcaagg tcaattaaat gaaaagccct   660
tacctgaagg ttgggaaatg agattcacag tggatggaat tccatatttt gtggaccaca   720
atagaagaac taccacctat atagatccct ggtcgacgcg gc   .   762

<210> 399
<211> 857
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (169)...(836)
<223> similar to gi56522 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 399
taccactctt tggtgctgct aggcaagaat tttaaactga gtttaggtca ccatcgtgga   60
cttaaggtcc atatcacctc agggagacaa gtagagtggg aggcatccaa aaggtaggtg   120
attcttctcc cctctagtga agaatacaag gtcaatttac aaaaaagcac cagcagcaaa   180
taattggaaa attaaattca taaaacattt ataatagcgt caaaaaagca ccagcagcaa   240
ataattggaa aattaaattc ataaaacatt tataatagcg tcaaaaaaaa gaaaatactc   300
agaaataaat ttgacaaaaa ttgtataaga tctctacatt aaaaattatg aaatacatgg   360

```
aagagaaatt aaagaaaacc taaatagaga gatataccac attcatggat tggaagattc     420
aagattatta aaatactatt ctccccaaat ggctctatag attcaacata atcccaatca     480
aaatcccagt aggctttggt agaaattgag atgttggttc taaaatgaaa taaaatgcag     540
aggacctaga atatataatt tccctttaat ttgacaaaga agaaaaacat gttgggaagc     600
tcacctaatt tcagtgtaat atttacatac gaatcaacaa atggatcagt ggtatagaat     660
agagaatcct gaaatagatc tacatatata tggccaacag attttttaata atggtgccaa     720
ggctattcag gggaaagaaa attctttttt aaaaatggga ttggaaactg gataagggaa     780
ataagtgaac ctcgacccct acccttatac cgtgctcaaa aattaattca aaatcattct     840
agccataaat gtaaaag                                                     857
```

```
<400> 400
tttcgtagca tggccggccc gggcccccacc ttcccgctgc accggctcgt atgggcgaac      60
cggcatcacg aactggaggc cgcactgcac agccaccaac gaatcccaac cctgctcgcc     120
ctggcagcct ccctgccttg ccctcttctc tcctgccctt tgtgagtgtc ccgtctcccc     180
cagcacgaca ttgaacagga ggaccccgc gggcggaccc cactggagct ggccgtgtct      240
ctgggaaacc tggagtctgt gagagtgctc cttcgacaca atgccaacgt gggcaaagag      300
aaccgccagg gctgggcagt cctgcaggag gcagtcagca ctggagaccc cgagatggtg      360
cagctggtgc tccagtatcg ggactaccag agggccacgc agaggctggc gggcattccg      420
gaactgctca caaacttcg ccaggcccccc gatttctacg ttgagatgaa gtgggagttc     480
accagctggg tgccccttgt gtctaagatg tgcccaagcg atgtgtaccg cgtgtggaag     540
cggggtgaga gcctgcgagt agacaccagt ctcctgggct tcgagcacat gacctggcag     600
cggggccgga ggagcttcat cttcaagggc caggaggcag gagccctggt gatggaagtg     660
gaccatgacc ggcaggtggt gcatgtggag acactggggc tcactctgca ggagcccgaa     720
acactgctgg ccgccatgcg gcccagcgag gagcatgtgg ccagtcgcct cacctctcct     780
atcgtctcca cccacctgga cactcgtaat gtggcctttg agaggaacaa atgtggtatc      840
tggggctggc ggtctgagaa gatggaaact gttagcggct acgaggccaa ggtgtacagt     900
gccaccaacg tggagctggt gacacgcaca cgcacggagc acctctctga tcaggacaag     960
tcgaggagca aagcggggaa gactccattc cagtccttcc tggggatggc gcagcagcat    1020
tcctcccaca ccggggcccc cgtgcagcag gcagccagcc ccaccaaccc cacagccatc    1080
tcccctgagg agtacttcga ccccaacttc agcctggagt cacggaacat tggccgcccc    1140
atcgagatgt ccagcaaagt acagaggttc aaggcaacac tgtggctgag tgaagagcac    1200
ccgctctccc tgggtgacca ggtgaccccc atcatcgacc taatggccat cagcaacgct    1260
cactttgcca agctgcgcga cttcatcact ctgcgccttc cacctggctt ccccgtcaaa    1320
attgagattc ccctttttcca cgtgctcaat gcccgcatca ccttcagcaa cctgtgtggc    1380
tgtgatgagc ccctgagctc cgtgtgggtg ccggcccccca gctctgctgt cgccgcatca    1440
gggaacccctt tcccgtgcga ggtggacccc accgtgtttg aagtgcccaa cgggtacagc    1500
gtgctgggca tggagcgcaa cgagcccctc cgggacgagg acgatgacct cctgcagttc    1560
gccatccagc agagcctgct tgaagcgggc actgaaggcg gagcaggttg accgtctggg    1620
aagccctgac caacacccgg cccggttgcc cgccctcctt ccccagggcc acggtttatg    1680
```

```
aggaacagct tcagctggag cgggccctcc aggaaagcct gcagctgtcc acagagccca   1740
ggggcccagg atcccctccc aggacacccc cagcccccgg tccacccagc tttgaagagc   1800
agctgcgcct ggccctggag ttgtcttcac gggagcagga ggagcgggag cggcgcgggc   1860
agcaggagga ggaggactta cagcggatcc tgcagctgtc actcactgag cactgagcca   1920
tagccccggg agggctggcc aggccactcc ctgcccgctt ttgtaattta tttatttata   1980
aactctctgc tgctgagctt ggggcctgga gccccaggaa tgagcaggca ggggagactg   2040
agatggaaat aaagagactg tcgcagcagg aaaaaaaaaa                         2080
```

<210> 401
<211> 1908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (433)...(1813)
<223> similar to gi3015538 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 401
```
gtctctatgg aattatagct cacctacttt tgggggaatc atgtaaggta attttatttc     60
attatgtatt actagaatgt attgttttaa aatgtgtcta cttttttgaa gtgtcatttt    120
gttgttgttt tcattgagat ggggtcttac tatgttgccc aggctggtct cgaactccga    180
acctcaaatg acctgcccgg ctcggcctcc caaagtgctg ggattatggg catgagtcat    240
tgcatccaga caaaagtgtc attgtttaat cttgatttga aagaacttta ggtatttaaa    300
acattatgtg gttcttttgt gcaagcgctt tatccctaag tcgtttgatt atccagggtt    360
gaaagcaact ctctctgact tctgcactca gaaagcgctt ggtctaattg tgttctcctt    420
cctgtctctt agcttcacag gataatgcag ctggctgtgg ttgtatcaca agtacttgag    480
aatggttcct cagttttggt ctgtttggag gaaggctggg acatcactgc acaagtgaca    540
tccctggttc agttactcag tgatcccttt tataggacac ttgaaggctt ccagatgttg    600
gttgaaaaag agtggctctc ttttggtcac aaattcagtc agaggagcag cttgaccctc    660
aactgtcagg ggagtggttt tgctccagtc ttcttacagt tcttagactg tgtacaccag    720
gttcacaacc agtatccaac tgagtttgaa ttcaatctct attacttaaa gttcttggct    780
ttccactatg tgtctaatcg ctttaaaaca tttctcctgg attcagacta tgaaagatta    840
gagcacggaa ctttatttga tgataaagga gaaagcatg ccaaaaaagg agtctgtatt     900
tgggaatgta ttgacagaat gcacaagagg agtcccattt tctttaatta tttatattca    960
ccattggaaa tagaggctct aaagcccaat gtaaacgtct ctagcctcaa gaagtgggat   1020
tactacatag aagagaccct gtccacaggc ccttcctatg actggatgat gctaaccccc   1080
aagcacttcc cctccgaaga ctctgacctg gctggagaag ctgggccacg gagccagagg   1140
agaacagtgt ggccatgcta tgatgatgtc agctgtactc agcctgatgc tctcaccagc   1200
cttttcagtg aaattgaaaa attggagcac aaattgaacc aagcccctga gaagtggcag   1260
cagctgtggg aaagggtaac cgtggacctt aaagaagaac caagaacaga tcgctcccaa   1320
agacacctgt cgagatcccc aggaattgtg tctaccaacc taccttccta tcagaagagg   1380
tctctgctac atctcccaga cagcagcatg ggggaggaac agaattccag catctcccca   1440
tccaatggag tggagcgaag agcagccacg ctctatagcc agtatacatc caagaatgat   1500
gaaaacaggt cctttgaggg aacactttat aaaagagggg ctttgctgaa aggttggaag   1560
ccccgttggt ttgttttgga tgtaacaaaa catcagctgc gctactatga ctcaggtgag   1620
gacacaagct gtaaaggcca cattgatctg gctgaagtag aaatggtcat ccctgctggc   1680
cccagcatgg gagccccaaa gcacacaagt gacaaggctt tctttgatct caagaccagc   1740
aaacgtgtgt ataacttctg cgcccaggat ggacagagtg cccagcaatg gatggacaag   1800
```

246

```
atccagagtt gtatctctga tgcctgatgc ccatggtcaa cccacgcaga agaaacagaa   1860
gaactcatgc tgccagatag atagaacaag aagcatggat ccttgagg                1908
```

        <400> 402
```
ctagttctag atcgcgagcg ggcgccaaaa gaataatgaa ggaatacaca aactactcta    60
cacgcatagt ttttanaact taggttaaat agaccagttc cttaatgagc atgaactgtc   120
acaactcacc caataggaaa tagactactt gaataccctg taactataag gaaattgacc   180
tagtaattta taatctccca aaaaagaaat cttcaggttt cactggataa ttctaccaaa   240
catgtaaaga agaattaaca ctgattctac gcaatacctt ccagaaaaca gaagagggggg  300
gatcatgtcc taattcattt tgtgaagcta gtattaccct gataccaaaa ccaggcaaaa   360
agaacagaaa aagaaaacta cagaccaata tccctcgcag attcagatac aaaactcctt   420
aacaaaacat aaacaaatag aacacagcaa tatataaaaa gattgacaca ctgtagccaa   480
atgggacata ttctgagatg caaggctggt ttagtatttg aaaattcatt catgtaatac   540
actatactaa caggctaaag aaaaagctca cgactatatc agtcaatcca aaaaaagaat   600
aaaaagagtt tggcaaaatt cacatcattc atgactcaaa acttccagca aaatagaaga   660
caggtactcc ttcaacctta caaaaagcat ctaaaaagcc ccacagctga cagcactctt   720
tttcaacata gttctggaag ttctacagag acataataca agaaaaggaa attaagacaa   780
cagatgagag gaaagaaata aaactgtccc tttttgctgg tgacatgatc atctacgtag   840
aaagccccag ggaatcttga gtctgctgct gacatgattg tccaaacaga aaatcccagg   900
gaagaggcgg agcttgcagt gagctgagat tgcaccactg cactccagcc tgggcgcaca   960
tgtg                                                              964
```

247
```

<400> 403

```
agacttcata gctgatgagg tggacctgac ctcagccctg acccaatggt cactctgaag      60
acgccgctga tctcctcccc catggacact gtgacagagg ccgacctggc catcgtgatg     120
gctctgatgg gaggtactgg tttcattcac cacaactgca ccccagagtt ccaggccagt     180
gaggtgcaga aggtcaagaa gtttgaaccg ggctttatca cacaccccgt ggtgctgagc     240
cccttgcaca ctgtgggtga tgtgttggag gccaagatgc gtcatggctt ctctggcatc     300
cccatcactg agacgggtac catgggcagc aagctggtgg gcatcgtcac ctcccgagac     360
atcgactttc ttgctgagaa ggaccacacc accctcctca gtgaggtgat gatgccaagg     420
atcaagctag tggtggctcc agcagtgtga ggttgaaaga ggcaaatgag atcctgcagc     480
ttagtaagaa aggaagctgc ctatcgtcaa tgatcgcgat gagctggtgg ccattatcac     540
ctgcaccgcg ctgaagaacc gagactaccc tgtggcctcc aaggattccc atgagcagct     600
gctgggcggg gcagctgtgg gtacccatga ggatgacaaa taccacctgg acctgctcac     660
ccaggtaggc gtcaatgtca taggcttgga ctcgtcccaa gggaactcgg tgtatcagat     720
cgccatggtg cattacatca aacaaaagta accccacctc caggtgattg gggggaacgt     780
ggtgacagca gcccaggcca acaacctgat tgacgctggt gtggatgggc tgggcagggg     840
catggactgc gcggctccat ctacatcaac caggaagtga tagcccgcag tcagccccag     900
ggcactgccc tgtacaaggt ggccaagcat acccaaaact aaaatgtgcc cgtcatagcc     960
gatggtggca tgcagacctg ccgcctgggt aa                                   992
```


<210> 404
<211> 1419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1214)...(440)

<400> 404

```
tttttttttt cttgatgcaa atgtttttat ttgccactta aactacagtt tccctgtgct      60
atcctgatgg tgtgggggtg tggaacaggc tgctggaacc atggtttaca gtagtagcag     120
gtagatgatt agtagcatga gtggtgaaat gctgcatcta agtgcctgtc actttgctcc     180
cagggaata tcatgcagcc caggaatagt gttagactgg gaaggactgt ggcaggaaca     240
gtcactgtct ctcctcattt tggtgaggaa tgggtcccac ataatggaga gctcaacaga     300
agcatccagt cttgttctga atggagcagg tcagtggcag cagcctcttg ctttcattta     360
cccctttggg ctgcttgcct aaagtctctc ttccttcacc tccccaggcc ttttggcaag     420
agggaagaca ctgccattcc tggctctttc cctggatcag tgtctgatct ggtggaggta     480
gcttgtgggg cctgacttcc tccagttccg gcggatcctg gcacttttct tcctagagtg     540
cagatactgc tcactggagg ctgtctctgt ggcactctgt gggttggcca gtgcagagtg     600
gggctccagg attctgaggc ggctgcagtg gtgtagcgag tggcccaggg gtttctgcct     660
tgggggcctc ttcctgcgca gcctcttgag ggcctcagcc acacggtggt cccctgcaca     720
ttcccagatg atctgtgccc gttcctcggc cagctggtcc ccgctgcgtt gaaacagggc     780
```

```
ttggatctgc agcagctcgg cgtcctggaa gatgttggcc gaggcctgct tgcggccccg      840
ggcctcaatc ggggcctgcc aaggggggtgg ctcactgacc accgaggctg gggtacccat      900
tgtggatgct cacactgaag ggcagctccg acagacctca aatggggatg gggcaagcta      960
agatgcgccc actccaacct cttccacagc cttcagaaag ggcaggcgca gctctgggct     1020
tcctgctgcg aaggtgctta caagggccag tcggtgatca cgggcagcac aagagcatgg     1080
cagagggtat cctggccgag gtcctaaggc gacatctgca gcacgaggag gccccgggac     1140
tcagacgtgg ccgcttcgca gaacgacggg gtcctaagtg gatctggcgg tcgcgtcccg     1200
ctggcacccc ggctctgact gtcgccctcc ggctcccacc gcagcgccga gctgggccgc     1260
cgacctacgt acctggttgc ttgaggcagg ccgcacgcag ccccaaactg gtccgggcca     1320
cttgggtcac agccgcggtt cccgggagaa agcgctccct agccccggaa cagccaatcc     1380
tcggccctag ccaggtatga gctcccaggc gagccttcc                            1419
```

<210> 405
<211> 733
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(733)
<223> similar to gi289664 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 405
```
gtgagtgctg ggggtagggc cttgagctgc agcccccgag actcccacgt gcctgccaga       60
caccacgccc caccccgcac cggtggtctg ctctgccgac ccgcagtaag gaggagaggg      120
aggactggtg agcctcctgg gccaggtggc cagggccggg cctgagtaag cagcagggtc      180
tgctgccgct gcaggttggc tcttgagtcc ctggaccctc gcacactgcg gctgctgaca      240
ttaggaaccc ctgcctgagc agggtggggg ctgctgaggt caccccctcct ccaggagctc      300
ccacagtcag gagaaactcc tgcagaacca ggtccagaag ctgatccagg agttgaagga      360
acagaaggag cgagcccagt gggtgaggca ggggcacagg gagtgggcag ggtcctggtg      420
ttggggagcc aggctggggc tggcctgggg gccttctgca gaagacaccc ccccaccacc      480
aaccacaggc cctctcggag caggagaagg agcacctgga ggagcggctg ctgcagacca      540
cccgcacgct ccaagagatg gaggccgagc tgcagaactt gcagaagtcc tgcctcctgc      600
agctggcccg ctcctcgtgg gtgggccgca tgctacgatc ccagactggc agtgtggagg      660
tgagcctgtc ccccaagccc tcctgcccca ggctgccctc cccagccctc cccatctcgt      720
cggaattcca cgt                                                          733
```

<210> 406
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (101)...(597)

<223> similar to gi1212992 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 406
aagcaagatc tttttattct ctatttctgt agctatatat acacttttga caatttagtg   60
gccatcattg caagctaact gataatccaa tgtctccttt agatacaaat ttgaaaaaga   120
tggaagtata cacagactca ttataaaaga ttgcaggctg gatgatgagt gtgaatatgc   180
ttgcggggta gaagacagga agtctcgtgc tagacttttt gtggaaggta catattaagt   240
gaaaaaacaa ttctaatgtt accaattttt taaaattgtt aatcaaaatg taaacatatt   300
tgtatttatt tcacattttc tttccagaaa ttcctgttga gatcatcagg cctccacaag   360
atattcttga agccctggt gctgatgttg tcttttagc agaactcaat aaagataagg   420
tggaagtcca atggctaaga aataacatgg ttgttgtcca gggtgataaa caccagatga   480
tgagtgaagg aaagatacat cgactacaga tttgtgatat taagccccgt gaccagggtg   540
aatacagatt tattgccaaa gacaaagaag ccagagctaa gcttgaactg gcaggtcagt   600
cccttttattt taaaatatcc ttccaatatc acagagttta gatttcagat ttcacagtta   660
tttaatgagg taatccttgt gagggtcttt catttctagc aagccctacc cacatgttaa   720
caactctaat tttgctcact acaaagtaag tggaattcc   759

        <210> 407
        <211> 773
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (570)...(53)
        <223> similar to gi1334643 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 407
accgtcgtgg aattccggac ccacagaacg accgacggac cgagggttcg agggagggac   60
acggaccagg aacctgagct aggtcaaaga cgcccgggcc aggtgccccg tcgcaggtgc   120
ccctggccgg agatgcggta ggaggggcga gcgcgagaag ccccttcctc ggcgctgcca   180
acccgccacc cagcccatgg cgaaccccgg gctggggctg cttctggcgc tgggcctgcc   240
gttcctgctg gcccgctggg gccgagcctg ggggcaaata cagaccactt ctgcaaatga   300
gaatagcact gttttgcctt catccaccag ctccagctcc gatggcaacc tgcgtccgga   360
agccatcact gctatcatcg tggtcttctc cctcttggct gccttgctcc tggctgtggg   420
gctggcactg ttggtgcgga agcttcggga gaagcggcag acggagggca cctaccggcc   480
cagtagcgag gagcagttct cccatgcagc cgaggcccgg gcccctcagg actccaagga   540
gacggtgcag ggctgcctgc ccatctaggt cccctctcct gcatctgtct cccttcattg   600
ctgtgtgacc ttggggaaag gcagtgccct ctctgggcag tcagatccac ccagtgctta   660
atagcaggga agaaggtact tcaaagactc tgcccctgag gtcaagagag gatggggcta   720
ttcacttta tatatttata taaaattagt agtgagatgt aaaaaaaaaa aaa   773

                            250

<210> 408
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(725)
<223> similar to gi3123638 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 408
```
gatcacctac agcaatgacc acttctcccc cggctcccct cccacccacc tctccccaga    60
gatcgatcca aagacaggaa tcccccggcc ccctcaccca tccgagctgt caccgtatta   120
cccactctct cccggagctg tcggacaaat ccccaccccc ctcggctggc tcgtcccaca   180
gcaaggccag cccatgtact cccttcctcc cggtggcttc cggcaccctt accccgccct   240
cgccatgaac gcctcgatgt ccagcctggt ctccagtcgg ttctctcctc acatggtggc   300
tcctgcccac cctggcctgc ccacctcagg gatcccccac cctgccatcg tctcccccat   360
cgtcaagcag gaaccggcac cccccagcct gagccctgca gtgagcgtga aatcaccagt   420
caccgtgaaa aaggaggagg aaaagaagcc ccacgtgaag aagcctctga atgccttcat   480
gttgtatatg aaggagatga gggccaaggt ggtggctgag tgcaccctga aggaaagtgc   540
agccattaac cagatccttg gaagaaaggt aagacctgcc ctctccctcc aggccaggga   600
ggcagcgtcc ctgcattgat ggctccgtgt ggtctctgac cctctctccc ccagtggcac   660
aacctgtctc gagaagaaca ggccaagtac tacgagctgg cccggaagga gcggcagctt   720
cact                                                                724
```


<210> 409
<211> 1949
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1950)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (13)...(1866)
<223> similar to gi30058 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 409
```
gcggtggcca ttcccttctc cactcctgga agccccttac caggacccca ggaccctgca    60
gatgctgcag agcctcctgg aaagccaacg ggatcagagg accatcagca tggccgagcc   120
acacagctcc caggagctct ggatacaagc tccccaggga cccagcatcc ctttgcccct   180
```

```
gagacaccaa tccctggagc atcctggagc atctcccta ccacccccgg ggggctgcct      240
tggggctgga ctcagacacc tacgccagtc cctgaggaca aagggcaacc tggagaagac      300
ctgagacatc ccggcaccag cctccctgct gcctccccgg tgacatgagc tgtgccctgc      360
catcccactg gcacgtttac actctgtgta ctgccccgtg actcccagct cagaggacac      420
acatagcagg gcaggcgcaa gcacagactt cattttaaat cattcgcctt cttctcgttt      480
ggggctgtga tgctctttac cccacaaagc ggggtgggag aagacaaag atcagggaaa       540
gccctaatcg gagatacctc agcaagctgc ccccggcggg actgaccctc tcagggcccc      600
tgttggtctc ccctgccaag accagggtca actattgctc cctcctcaca gaccctgggc      660
ctgggcagat ctgaatcccg gccggtctgt agctggaagc tgtcagggct gcctgccttc      720
ccggaactgt gaggacccct gtggaggccc tgcatatttg gccctctcc ccagaaaggc       780
aaagcagggc cagggtaggt gggggactgt tcacagccag gccgagagga gggggggcctg     840
ggaatgtggc atgaggcttc ccagctgcag ggctggaggg ggtggaacac aagatgatcg      900
caggcccagc tcccggaagc caagagctcc atgcagttcc accagctgag gccaggcagc      960
agaggccagt ttgtctttgc tggccagaag atggtgctca tggccatact ctggccttgc     1020
agatgtcact agtgttactt ctagtgactc cagattacag actggccccc caatctcacc     1080
ccagcccacc agagaagggg gctcaggaca ccctggaccc caagtcctca gcatccaggg     1140
atttccaaac tggcgctcac cccctgactc caccaggatg gcaactttca attatcactc     1200
tcagcctgga aggggactct gtgggacaca gannggaaca cgatttctca ggctgtccct     1260
tcaatcattg cccttctccg aagatcgctc ctgctggagt cggacatctt catcttctac     1320
ctggctcaag ctgggccaga gtgtgtggtt ctcccagggg tggttggacc ccaggactga     1380
ggaccagagt ccactcatag cctggccctg gagatgacaa gggccaccca ggccaagtgc     1440
cccagggcag ggtgccagcc cctggcctgg tgctggagtg gggaagacac actcacccac     1500
ggtgctgtaa gggcctgagc tgtgctcagc tgccggccat gctacctcca aggacaggt      1560
aacagtctta gatcctctgg ctctcaggaa gtggcagggg gtcccaggac acctccgggg     1620
tctttggaag gatgtctcct aaactcctgc caaggtgata gaggtgcttc tcacttcttc     1680
cttccccaag gcaaaagggg gctgttctga gccagcctgg aggaacatga gtagtgggcc     1740
cctggcctgc aacccctttg gagagtggag gtcctggggg gctccccgcc ctccccctgt     1800
tgccctcccc tccctgggat gctggggcac acgtggagtc attcctgtga gaaccagcct     1860
ggcctgtgtt aaactcttgt gccttggaaa tccagatctt taaaatttta tgtatttatt     1920
aacatcgcca ttgggcccca aaaaaaaaa                                        1949
```

<210> 410
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)...(415)
<223> similar to gi1405821 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 410
acacatcctg ggggtccgac tccaaggtca gattttgcaa ccagagggag ccggagtggt       60
cctggccggg gaaagtcggc cccgccccag gatccgctcc ccctccctac tccgctgatt      120
cctggctccc gagtcaccgc ggcccgcccc gacagcagcg tggctcaggg ccctccagtg      180
cctccccgaa acccctgccc agggcgaggc gcagtgaaag gacgtttttt taccaatgcc      240
ggttcccccgg gtcgcgccgc cgccaactcc tcaaggagcc gaagccaagc ccggccgcca     300
ccctcctcct tctcctcctc cccgccgcct gggccgccta gaatcgccgc tgccgccttc     360
tcctcccccg gccgttgtgg ttgtggttgt ccctgccacc tccttacagc cgagccgccg     420
```

252

ccacgaaatc gtcgtcccgg gaattccggt ccggtgcaac ggca   464

<210> 411
<211> 955
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(767)
<223> similar to gi2072501 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 411
tttcgtgaga aggcggcggc ggcggctagg gatcagacat ggcggcggat ctgaacctgg   60
agtggatctc cctgccccgg tcctggactt acgggatcac caggggcggc cgagtcttct   120
tcatcaacga ggaggccaag agcaccacct ggctgcaccc cgtcaccggc gaggcggtgg   180
tcaccggaca ccggcggcag agcacagatt tgcctactgg ctgggaagaa gcatatactt   240
ttgaaggtgc aagatactat ataaactgaa tagatttcct tttcattctt cctgggaata   300
gaagatgtaa tggaagttcc agtatctgta tgcaggccta tgactagctt cacttcttgg   360
tgactaatac tagttgacaa aacagcatat tctaaactga ttgtcttcgt tatccagtag   420
ctttcctatt ctccataaca aatgttccaa atctttgatt actcacctca gaatgcttgt   480
ctcactcctc ttttcctcat tcctagtaga tcataccttg gagaagaaag tagaaactat   540
caggcctgaa cttcattagc ttttcttcc tcttcaatcc aaatctgtct gtatcttcat   600
tcatttttct taacccttc cttgcttgct atttctgctt tccaaaacca aggaaggaat   660
tttgacagag gtacccaagg aattcactgg gggaaatga atgattcaat aaatgatgtt   720
atgataatta gatagatagc tatatgtaag cataaaaaat ttttaaaacc ttaggccctt   780
attatcatat catgcacaaa aattaagtgg attattgatt taaatgtaaa aacaaaaagt   840
ataaacttt tagaaaaaag agattatttg tgacattggg tctggcaaag atttcttaga   900
tgcgattaaa gatttacaaa agaaaaaatt gataaattag acttcatcaa aattt   955

<210> 412
<211> 668
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (166)...(664)
<223> similar to gi854065 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 412

253

```
gagatggaat ttcactttcg tcacccaggc tggagcgcaa tggccagatc atggatcact      60
gcaacctccg cctcccaggt tcaagcgatt ctcctgggag gcagacgttg cagtgaactg     120
agatcgtgcc accgcactcc agcatgggcg acggagcgag atttcatctc gaaaaaagga     180
aagaaagaaa tgtgttgttc agtatttact atggtctgtt cagctgttgg acggccagat     240
gctacgtgtt gtgttgagat atttctgggt gagattgtag agttgtcagg cactgcatgt     300
gattttgcgt tgtgtcatct gctggctgcc aacgttgttg cgttgctgca tagtgtgtcc     360
tttgttctgc tgccttgact gtatgtgttg tgatgccaca tcgtgtgttc tgtgctgtct     420
gctgggttgc tgtgtactag cgtgtgttgt gtggcaggat tatgtagcgg tatgctggca     480
ttacgtgttg gtgtgtggtt accgtgtctt gggatgtttc cgggctggct attaggtcac     540
tgcgtgtcgt gtgttggcat gtactgcgat cgtatttgct gggtgttctg ttgccctgtg     600
ttgttgtggt ccgtgatgcc tgatgattgc cttgtgctat gtcgcgtgct gtgtgtgtgt     660
tgccaacc                                                             668
```



```
        <210> 413
        <211> 1562
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (22)...(1536)
        <223> similar to gi600118 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```



```
        <400> 413
actaggggtc ggcccacagc ttcctcaagc caagctcccc aggcccaggt caggcctcac      60
ggtggcctct ccaggatgag ctcctgccct ccgatggcat ctccaggccc caaatggtct     120
ccggtcggtg ggctcctcca cgccaaggtt gggcctcccg gcgaccgccg caggcccaag     180
ttgtcctgaa gtcgggctct cccggctgca tctccaggcc ggactctggc ccgactccag     240
gtcccaacaa cgtctttgga ctcagctcct gcccagctcc cagcggccct ggtaggccca     300
caacttccct aagccaagct ccccaggccc agctcaggcc tcgcggtggc ctctccaggc     360
tcagctcctg gccctccgat gacatctgca ggccccaaat ggcctccggt cggtgggctc     420
ctctaggccc agcttgggcc tcccggcggc ctccgcaggc ccaaatcgtc ccgaagtcag     480
tctctccagg cttagctcca gcctcccggc ggcctctgca ggcccaagtc gtcctcaagt     540
cggcctggaa gtgggcctgg aagagcagca agtcggcctc cctgggccca gctccgtcct     600
ctcgacggcc tctccaggtg caaaacttcc tcgagtcagc ctctccaggc ccagctcctc     660
ctgcctccca gtggcctctt cggcccagc ccagctcatg gctctcggcg gccttcccag     720
gccccgcttt tgacttttgg cagcctcttc aggcgcagaa cttgatctcc agtcggcctt     780
tgcaggcccg gcctcctgcc tctcgaaggc ctgcacgggc ccggcctcgg cctcggcctc     840
acagcggact ctccacgccc agctagctct cgcctcactg cggtctcccc agtccaaagc     900
tcctgccttt cggccacttc ggcaggtcca gctcctgcct gccagtggcc tctttaggcc     960
cagctcattc ctcacgtcgg ccattccagg ccccgttttt cccttccggc agcctcttgg    1020
cctctaattt gtttatcttt tgtgtataaa tcccaaaata ttgaattttg gaatatttcc    1080
accattatgt aaatattttg gtaggtaatt tatttggagt gagtttctgc gccaagcccg    1140
aattttttat tttattttcc ttattatttg gtgttaaaca ggtttaactg accggtcatg    1200
gcaacttttt ggcacagtga aaaatatcgc ccatgatcaa cgtgttctgt tctggggaag    1260
ggggcaaagg cagggtgaat cactttctta aaaagtatag ctcaagttgg gagtgcagag    1320
ggaatgggga gaaaaccctc ccgctgcctg tgtcgaagtg taggagcccc cacccccata    1380
ctcacctgag tccagcccct ctggggaaag aaggggtgca tgaactcccc ctagtccaca    1440
ggcacctccc tgtggcccaa ggctctcttc acactccatc ttgaagcccc agcaggagct    1500
```

254

```
attttccaaa aagtgaaaag ctctgaaggt cccacaattc atggaagtga cctcacaatg      1560
ac                                                                      1562
```

<210> 414
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(428)
<223> similar to gi775239 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 414
```
aactaatcca tccaccttgt ggcatgttcc tgcccttcct caactaatcc atccaccact       60
gtgacatgtt cctgccctac cctaactaat ccatccacct tgtgatatgt tcctgccctt      120
ccccaactaa tccatccacc ttgtggcatg ttcctgccct tcctcaacta atccatccac      180
cttgtgatat gttcctgccc ttccccaact aatccatcca ccattgtgac atgttcctgc      240
ccttccccaa ctaatccatc caccattgtg acatgttcct gcccttcccc aactaatcca      300
tccaccttgt gatatgttcc tgcccttccc caactaatcc atccaccttg tgattgttcc      360
tgcccttccc caactaatcc atccaccact gtgatatgtt cctgccctac cctaactaat      420
ccatccacct tgtgat                                                      436
```

<210> 415
<211> 1246
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)...(1233)
<223> similar to gi470674 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 415
```
tttttttttt cactgagaat gcagctttct ttcatttggt cacttcacct cttcatcgac       60
cccagagagg gagtggggac cctgcatgct gcccctccc cgccccgggg tcttctggc        120
aggactgggg aagggagcct ctcagggggt ggcggtccac gcccagtagc acctgggagc      180
tgtgggggcc gaggcagtcc gaaggtgtgg ggtagctctg agctcatgtg caggtccggt      240
accccgagcg ccttgcagcg ggagccgggg cccatcagta atagtgcatg cggcccaggg      300
tgcccgtggc cgtggggctg ggccccagcg tgcctgtgcc cagcaggtcc ggctgcccgg      360
tgcgccagat ctcccgcagg atccgttcgc gctcctccag ccgctgcgcc cgctccagct      420
```

255

```
cctccgccga cgtgaagacg ttgacgttga ggggcccgtc cggctctgcg gacagctcgg    480
ggcccggcag cgtgtcgtcg gggcccagcc gagtcaccgt gtcctcctcg tcctcgtcgt    540
cgtcctcggg ctccagggtg ctgctgcggg ggtcccggcg ctgagccggg ccccgggggcc   600
gcgggcgggg cgcccacgag atgctgatga cgagcaggca gagggtgagc agcaggccga    660
agcagacgcc cagcacgaag tagaggccga agctctcggg gttggcgcgg atgtgcgcgt    720
aggcagccag gctgttgctg agcaactcca tgtcccttcg cggggcatcc atgctgctct    780
ggggggcagc ttcccctacc agcctgcgag gtcagcaaag tcagatcctt ctcccagcct    840
ggagcccacc ccgacccctt ccgcgggcag ctcctctccc gggagccgcg ggcccaggtt    900
ccaccctgga gagagcgctt ccctaacttc gtggcggccc ggggcccctgt cggggggaac   960
ccctctcccg ggcgcggacg cccctccagt cctgggagca gcgccgggga ccgcgggagg    1020
ccccacccccc tggtgaggtc cccagctgag gcccggttcc gccgtcccgg ggcgggatgg    1080
aggataggga cgctgagcct ccacgcccca ggcgggctcc gggaagggaa gctgcctctc    1140
tcctcgcccg gccgccccgc ggggacccac cggcccgggg ccaggcccac tcaccgtcag    1200
cgccccgctt cccggctgcc cggccccagc gcgtcccgcg gccgct                    1246
```


<210> 416
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (211)...(349)
<223> similar to gi854065 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 416
```
ttgggatcaa gtggattgag gaggctgtgc tgtgtgctag tgtgctgtgt gtgcatgtgt     60
gtgcgtgtgc tgtgcgtttg tgtgctgtgt gctcgtgtgt gtgctgtgtg tgcgtgtgtg    120
ctgtgcgttt gtgtgtgctg tgcgtttgcg tgtgtgctgt gtgtgcatgt gtgtgcgtgt    180
gtgtgccgtg cgtttgtgtg ctgtgtgtgt gtgtgtgtgc gtgcgtgtgc attgcatgta    240
tcttacattt gtcttaatgc ttttcctttg taaaatgtgt aaattttttt tgattgggtt    300
aatttaattc acagtgtcat ctgtcttcag ttagaaataa tggaaactg                349
```


<210> 417
<211> 607
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)...(558)
<223> similar to gi3875538 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters .

256
```

<400> 417

```
gtgcatgatc  acgccaagct  tggcacgagg  gctgacccgg  caaaactcag  cgggggctgg        60
atagccatgc  ccaagtactg  cagggcgccg  aactgctcca  acactgcggg  ccgcctgggt       120
gcagacaacc  gccctgtgag  cttctacaaa  gtcagcggag  gacccgaagc  acccagaagc       180
cagtctcgcc  gccgcctccc  ctacagagga  atacacccct  gccccagagc  cctgccatcc       240
cagtctctgg  cccagtgcgc  ctagtggtgc  tgggccccac  atcggggagc  cccaagactg       300
tggccaccat  gctcctgacc  cccctggccc  ctgcgccaac  tcctgagcgg  tcacaacctg       360
aagtccctgc  ccaacaggcc  cagaccgggc  tgggcccagt  gctgggagca  ctgcaacgcc       420
gggtgcggag  gctgcaatgg  tgccaggagc  ggcaccaggc  gcagctgcag  gccctggaac       480
ggctggcaca  gcagctacac  ggggagagcc  tgctggcacg  ggcacgccgg  ggtctgcagc       540
gcctgacaac  agcccagacc  cttggacctg  aggaatccca  aaccttcacc  atcatctgtg       600
gagggcg                                                                      607
```

<210> 418
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(801)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (800)...(290)
<223> similar to gi5051805 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 418

```
ttttttttta  atctgaaaaa  cagttttgcc  acaattcttc  aaatgttttt  attggatttta       60
aaattcattt  aaggggtata  cagatataca  actagtttga  tcagctacta  atatattttg      120
gtgtcccttt  attttttgtac  ccaagagcca  gttcactttt  tctccatgtt  caatatttag      180
ctttggtaaa  atgttgccat  gttcttcctc  atctgttact  gaagcgttag  tatttccacc      240
ctgcttggtg  caagttcctc  ttttaggttt  cttcctgtgg  gtacgttttg  tgggactctt      300
ctgttttttc  tcaacttcac  tgtttgcatc  ccacaacgtg  atcttcccat  cattccctcc      360
agtaagcagc  aaataggatt  ctgggagaaa  gcagacctgg  gatacccctg  aagtgtggcc      420
cttaaatccc  agttcctgtt  cacacttaac  tcccatcacc  cgaaagattc  gaaccttacc      480
atcttctgca  ccacaactaa  aaatattacc  acacgaagcc  acagagatag  aatgggctag      540
ggcagggttt  aagagctgac  caggtgactg  tgggccttcc  atttcttctg  tttcatcctc      600
ctgtaaattt  gtaatccaga  gtggtcgggc  ttttgaaga  ctccacagca  tcacctgcat      660
atccagtcca  catgacacca  ggctctgagc  ctctgaggcc  gaaaagccac  tgaggagcag      720
atattggaat  gtctcttcaa  ggatctgata  actntcttgt  tttccaagtc  taggattttg      780
attgccccag  agtcgtcagc                                                      800
```

```
<210> 419
<211> 930
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (105)...(872)
<223> similar to gi1244720 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


        <400> 419
ggggctgtgg tcatcttaag acagcattcc cagggaagca gggatgacag aaccccatag      60
catgagggca ggaggagtgg atacaaggat gtggagaggg gaaagactcc cccattcctt     120
tccctcctcc ctcgtcatag aaagtgagga ccaaggcacc caaggtctga ccatctgtgt     180
ctccagagct cctgcatgtg actaacctct gtgtaaactt ctccaaactg cacaccctgg     240
gtgacaggcc cctgggaggc ctcaagggac accccttcta ctactatgcc ttctatgagc     300
ttgtagccaa aggcagttgc ctgtgccttg ggcacacctc taagtgcagg tctgcacctg     360
gaaccccagc caatgtggtg aggacaatgg gaggggcatt ctgttgctgg tggggtgggc     420
aagctgggac tccagagcag gcctgccttg ccctcctccc tatcaggtac atgggctttg     480
catctgtccc caccagtcgg tgcacactgt gagtgctgcc aagacctgca ccaggatcat     540
ccatgacatg cagcagagcc tgggcacccc catgcctgct gggatgaatg ccatgctcta     600
ctctgcctgg ccatacctgc cacaggtccg cccacccat atctacctt ctggttctgc      660
ctcagaatgt gagtgccatg ggcatgtcta cagttgtcac tttgacacag ctgtgttgtc     720
tggttatgtg agtggaggtg tgtgtgatgt gtgttcagca caacacagct ggggcgccac     780
tgttgagttc tgctggccct tcttctactg tcatccctga gaggatccct gttcccctcg     840
gtcctgcaga catgagtcct tcaaccccta atcccaacac tgactcttat ccttcagctc     900
catggtgacc tctgacctaa ttccatcctt                                      930
```

```
<210> 420
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (78)...(599)
<223> similar to gi3879547 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


        <400> 420
acctactaca gtgactccat cttcttcctc tcgggcgcca tgcatcagat catgcccaaa      60
gagatcctgc agatcattca gctggaccta gacctgaagt ttaagaccaa catccgggag     120
ttgtttgagg aatttgacag tttcctgcca ggcgccatca tcggcatagc ccgggagatg     180
cagccagttt acaggcacac attctggcag ttccgccatg agaacccca gacccgggtt     240
ggggggcccgc cccccgaggg gctgccgggc ttcaacagcg gggtgatgtt gctgaacctg     300
```

258

```
gaggccatgc gccagtcccc gctctacagc cgcctgctgg agccggcgca ggtgcagcag    360
ctggccgaca agtaccactt tcgcggccac ctcggggacc aggacttctt caccatgatc    420
sgcatggagc accccaagct cttccatgtg ctggactgta ccccgaaccg gcagstgtgs    480
accaggtgga gggaccatag gtacagtgac gacttcgagg cctatttgag gtgtgagggc    540
cacgtaaaga tctaacacgg. gactagcaaa actggcatcc cggggaagta gggggtccc    599
```

```
        <400> 421
attagaatct gaagatatat ttaggagtaa ttcgaagaat gattacaaaa tagtcattca     60
aaatgacttt cctaactcag tccataaggc caggattagc cagacacgaa aaccaaacga    120
acatcttgag aaaacaatgg agcaatatcc cttatgaata taaatgcaaa actcgagaaa    180
ataccggcaa gctaaaccca acaacataga aaaaggatta tatcccatga ccaagtggga    240
ctcaccctaa gaacaccagg gtggttcaac atcagtgcaa tacaccatat taacagacaa    300
aaaagcagtt attttgacag agtagaaaaa gcattttgac aaaatacaac actcttgcat    360
gatacaaaat tcaataaact. aagaataaaa gggaccctct ttagtctgat aaaggacatc    420
tagtaaaagc tcacagctaa caccatcact ctttaacatc acagttaaac agtaaaagac    480
ggcctcgtgc caagctggcg ttgc                                           504
```

```
        <400> 422
agctcactgt caagcagagt tgaatgcgta gttgggtgag aggagtgtag ggcagcggcg     60
ggcagcaaca caataaacca actagatcta acacacatcc agacattcta ccaagaacaa    120
tagcagcata tacatccttc tcaaataagc atgagtcatt ttccaggata caccatctgt    180
```

259

```
taggccacaa attaggtctc aatcaatttt aaaatgtagg tatcatacaa actcttctcc      240
aaccacaata ggataacgtt agaaatcaat aacagaagta aaactgaaaa atccacaaat      300
ttctggaagt taaacaacac actcttaaac aaccaacagt ccagagaaga aatcacaagg      360
gaaaaagaaa atacttagaa tgaaaacgaa aacgcagcag cccagcactt acaggatgct      420
gcaaaagcag cc                                                          432
```

```
        <210> 423
        <211> 1393
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (122)...(1396)
        <223> similar to gi5832891 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters



        <400> 423
tttttttttt gccttctgga tttttttttt tttaaaggga ggttggttcc tgcatttcca       60
ctctttgacc ataggaacgc ctggctacaa aaggggctgt aattggctgc tgcctatagg      120
ggccccaggt ccttcctcca attgcaaggc agcaactccg aagttctaag tcccatggaa      180
agtggcagtg gttgggctgg actgtggctg gaggatcacc gggcctcggt tctcaagcac      240
catctgtctg gctgcagctg ggcccttcag ctggggggcca gtgttgcttt ccagctgccc      300
ccaccgggtc agatcatctc tggcaaggaa gagctgctgg catctcttac tgtccttctc      360
gcaggccttc ctccaccttg ggtgcctcct gacgcctgcc ccggaagtct tcatctgaaa      420
aggagaggga agctgcctca tcctctaccc tgcagggcct cgctcaggca cggcccctag      480
actgggcaag agagctgacc cgactctctc tgcccccttc atttgggacc catgcagatc      540
ccccaggta gacgatgcat gggtccaggg agagaggcag caggacactc aggtgctggc      600
cagggtccac cactgagctc tgagaccttg gacaagttct cccctcgtct ttgggcctca      660
aatttcctca tctataaaat gggatggaaa agctggacta tctagatgac ctctgaggcc      720
cttccagtcc ttgtttctgg atgcctcctg accctcgaat gtggcatgag gatcagggtt      780
cagctgcggg cccaggaggg tctgaggcag agtcttctgg cccacgtggc ctttggaagg      840
gactgggtga aagttgagaa gcctctgggc ccacagactg aagctgccca gtgcttggtt      900
ctcaggccga gggtccccca tggggggcagg cctgtctgcc acctcacacc caaaagaata      960
ttccccagaa acagtacctg gcacttcatg ctacaggtac acatctaggt ggaagtaggg     1020
ctagggcccc tttcagggg ttgcagaaag ggggaagcaa tgtcgaccaa gtcaggggga     1080
tccatatctt tgggtcacct gcccaccaac cctcagtgtg ttcctccagg ggacagggcg     1140
ggtgctccca tgaaacaccc aggaactccg ctgggagatc cccgatcata gagaagttgg     1200
agcttcgatc tcccctccag cctccccaca cgcgtggccc tccacatcat ccaggaggtt     1260
ggctgttgac gcgacagccc ccagcctgcc aggccattca ggaaaaccgt cccagggatg     1320
aggggacact gccctagtcc tcccagtccc actgactctc tgccccaccc ctcaaagctc     1380
tggaggtacc tga                                                         1393
```

```
        <210> 424
        <211> 1312
        <212> DNA
```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1290)
<223> similar to gi2317934 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 424
ctggcacctg gctctggccg agttttctgg ccagaggccc ccactttcct aactcgagct   60
cccttccgcc ttctttccg tactgtgaag aaagaactct ccaccccagc tcccaccctg   120
ccctggcctg ggtggaggaa ctgcgcctcc atccccagaa gaaacagccc cctctgctgc   180
tggggtggga ctgtctgtgt gccctgtggg ggtccgtgtg agcaggccca cctggctcca   240
gacccgcccc caacctgaga cagaaccagg ctgagccagg ccctcacccc caaccccgt   300
ttgctggggg cttctccagc cggcccccat gggaagaggc ctggtaccgc ctcacccaca   360
gaggtctgtg ccaggtgcgc ttctgcaggt ggagccaagc tctccctgag gccagaggcg   420
gggcctgggc cgggagccca ggggaaggcc aggctggacc ccggctccac acccacatcc   480
agcctgcagg cctctctgca gtcctctcac cctccctcag ctccccttcc tctgcagtca   540
ccctcagctc cccttccttg cccgcctctc ccccgccgc cccaccagtt aaacggatga   600
ccaaagacct ttcttatgcc ggaagcaaaa accaaaactt tttgttggct ttttcctttg   660
tcgcctcccc agcacctgcc ctcccagtct cccaccccgg ccccaggctg gaagccctcc   720
ctccacttaa gttattgttt taaaccaaag tttacagtgt ctgttggtgg ccaagacctt   780
ctctctccac ccctcctcca tccaccctga ggaccctggg gctcagtgga ggcagggccc   840
tgcccccctc ccttccgctc ctgcccagcc tggggaagg agaaaggagg ggagaaagcg   900
ggctctcacc ccctcaggag tgggcacggg agcccttctc cctgaccctg ggctgcttcc   960
tgggggctct ccagacccct ctctaggacc aagtcacccg tcgtgctggg agtgtggatt   1020
ctagcaaaag agctggaaaa aagtcagact ctccacagac cccctatggg gaccccccaa   1080
ctcaaggcca aggactgggc gtatcggatg ctcataacac ccctggcctg gcccctttac   1140
tgagaagact ccttggatat ttcccaagaa cccccacat acacccctca caagccaccc   1200
ctcctgagag gcaggggggc ctccgccccc tccccatgta ttccccacct gtgttccgtt   1260
tgaccagcac agaaatatta aacgtcctct attcactggg aaaaaaaaaa aa   1312

<210> 425
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(595)
<223> similar to gi483916 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 425
ggaattccag aacaagaaaa atattgctag gagtaatgaa gcatgattca tcacgaaaga   60
aggatcaatt ttttgagaag acacagcggt cctaaatgta tatgcatcca gtaacagagt   120
ggaagcaaaa actgacagtt gaaaggagaa atagacaaat ccacaattac atttggaaat   180

261

```
tacaacattc ttcctcaata actgatagaa caagcaggca aaaaatcagt aaggttatag    240
aagatttgga caatactctc aatggactat acttaattga catttacaga acactctgcc    300
cacattcttt tcaagtgcac atggaacatt taccaaaata gaccatatgc tgggctacaa    360
aacacatttc aacaaattta aaaggattga aatgtagtgt ctactctgac tacaatggaa    420
ttaaattaga aatgaaaaag atacctggaa agtctccaaa tatttgaaag tgaaataaca    480
tacttcaaaa taacctttgg gtcaaagaac tcacaaagga aattagaaaa tattcataac    540
gaaatgaaaa tgaaaacaca atatatcaaa atttgtgaga tactagaaaa tattt         595
```

```
        <400> 426
ttttttttttt ttcaccgggc taggtctgct ttttattggc cacgcatcca gccgccagcc     60
tcagggcaca cacctggcag ggggcaggct cgggtaggct gccctcgctg ggtgggcagt    120
gagggggcag cggctgctgg gtgtcaccct gcagccctc aggtggacct gtattgtccc      180
cagggcctgc ccacgctggg cagctggcac tgggaggggt tttctgttga tgtgatggcc    240
aagtttcagc tgcagggcag aggcctggca gtggcagcaa aggcagaccg cccccaactc    300
caacttcagg ggctggacat gctggaacgg gggccagacc ccatgggagg ggaccctggc    360
ctgccatggc actgcctgcc agcttacccc tgcccagggc ccccaactca gccacctcca    420
agcagtaaag acttgcaaag cattgcattt tgattaaacc ttgctgggct gaagggcagg     480
cagagctgtg gtggacactg gcaggacgca gcaccccccg actggccctt ggcaggctgc    540
accgggcgca tgcgggtgtg ggccagggtt gcctttagga agcaggtggg aggctggcac    600
gtgcaggcgg tccaggaggg caccaggcct ggcagggcac tggtgcctgt cgggttccca    660
gccacaacac cccaagaagg ctccaggagg gccccggctg ggtaaggcac ggagttttgg    720
tttccggggc ccagtcccag cctggccccc agaagagcct ctcttggcag aatggcagca    780
tgtcctgtgg cctgggctct ctcacttggc cttgggcctg ggcctgaggc cttactggat    840
cacacacagt ttctttgttt tattatcatc agaatcaggg ggaacctctt cctggctcct    900
ggagggacgc ttcttccttc gcttcccggt cccctttgag gcccggcccc gggccctggg    960
gagtgtgccc gaccccgagg agtcggtcac cgcatcctcg agaaggact tgtccaggga    1020
tgtgtccagt gcggactctg gggccgtgtc ctcctcgtcc tcgtcctcat ccccacctgg    1080
gcctgctgca gggggtctgg caccacggct gtggacagcg tcctccagcc cctcacttgt    1140
gctgtcggcc tcggcctgga ggacgcccag caaggacgtg ggatccttgg catcttgcct    1200
tgaacttccg gctgcagggg gctggttgct ggagaacttg aggggcttca gggcctgagc    1260
atctcccaga gtcaccggcc aggccccctc caagggctgg gggcactggg gatcctcagt    1320
ggttaggaca tcgctggcat ccacatacca ggaagaacgc ctctccaggg ccgggggacc    1380
accctcctcc aactgctcca gggtgggctg agggccgggg gtcacggcgt ctacaaggtc    1440
ccagccccgg gactcgctgg ctgttgtagc atcaaggccg ggctcagagg cgggacagcg    1500
```

```
cgtgctgccc acggggtctc ctgcagggtt actggtggcc acaggctctg tggctcttgg       1560
gggatccagn nttccnccgc ncttccagng gtctcaatag ggtgtcaaa               1609
```

<210> 427
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(652)
<223> similar to gi4185939 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
        <400> 427
ggaattcgct gaagggaatc aaatggctga ccgcctaatt gctaatgcaa tctcaaatgc        60
tatacacttt cacaatttaa cccatgtgaa tgcctctggt ctcaaacgca gatgcagtat       120
tacctggaaa gaagctaaag ctattatcca gcgatgccca acttgccaaa tggcccattc       180
ttcatctttt acaggaggag ttaatcctcg aggattggaa cctaactctg tttggcaaat       240
ggatgtcaca catcttccct cgtttgggag actagcttat gtacatgtat gtgtggacac       300
cttttctcac tttgggctac aggccaatca ggagagcctt ctgcctgtgt taaatgtcac       360
ctcttgcagt gttttgcagt gatgggcatt ccagcttcta ttaaaacaga taatgcccca       420
ggctatccta gccaaactct agctacattt ttctctttgt ggaatattaa acacattact       480
ggtatcccat acaattctca aggacaagcc atagtggaaa gaatgaatct ttccctaaaa       540
cagcagttgc aaaagcagaa aggggggagac agagtatatg gaaccccata gatgcaactg       600
aacctagcat tattaacttt aaattttctg agcctgccca aggccagaag ttatcagcag       660
```

<210> 428
<211> 1072
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (158)...(1050)
<223> similar to gi30058 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
        <400> 428
tttttttttt ttaaaaatcg gcatgctcct ttatttgttc agaagagcag ccagcatcac        60
cctcgccact caaacctggc acatacgctt cggagacaat ggcctcggga ccctcatgct       120
gctgggccca ggagagacag ttctgaggca gaaactcggc gtccaagggg ggccgcgggt       180
caggcactgt ggtgaaggga acgccgggga gtccggcccc accttgcagc tggggacacg       240
```

263

```
ggggcgcaaa cagaggggggc aggctagtgt cccgctgccc caggaacaga cctcagggcc      300
ccaggagggt ctgcaggcag ctaggagcct gccaagtgct ggtggaagta gaggccgaaa      360
aggctggcga gcagctggca ggcagccgtc caccagatga ggtaggccag gacgccacgg      420
aggaagaggg gagtaagcag gccacccaga gccccggcaa tccgcgctgc agtctgctgg      480
acttcgtcct ccccagagcc gatggggggca gcgctggctg aggatgggtc gggggatagt      540
agaggagctg ggcccaggcc ccaggaatag cctcccagcg tcttgagcag aagtgtgcag      600
ttgagggtga ggatgagcgg cgtcaggtac tgcaagctca ccacggtcac atagcagtag      660
actcggacca ccctctgctg gatttcacgg gcttcgatgc ggccagcctc ccttcgcagc      720
tgctccaccc gggccttggc caggcacagg taggcctgca ggtggggccg ggtcaccgcc      780
agccgcagca ggcacagcac caccagcaac cagaggcgcc cagagtcgaa ggcagaatcg      840
gacagcaggg agaaacgcgt ctccccaaac ggcggctggt gcaggaagtc ccgtgcaatg      900
ggctttgtcc agagccacag gatgaacagg ggagacagga agctggtgtg caggaggaac      960
ctggggggtg agggcaggag ggagtgaggc ctgggtaccc cctctcctcc acccgggact     1020
tccggaccgg tacggcacgc gtaaaggtta tcaatggttt caatccccac ct            1072
```


        <210> 429
        <211> 1330
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (177)...(1314)
        <223> similar to gi3641655 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

        <400> 429
```
ttttttttt atggggcggg aacttttat ttgaagcaag ttaatcatag cattgccccc        60
cagtaccctg gtatcctgct acaaggagca tcacaccatt tgggcacatg gtgtgccctc      120
tccactagcc tggcatctca gcagacagca gagggcagca gaagctcagc tagtggggcc      180
cctcccacca gcccccaccc ggtccactga aaggcagtgc tcctgggggc ctctgtggac      240
tggtgggggcc agggctgcaa cacgccctca ggccaagctc cactctgggc accctcgcag      300
gtaactcagg tgcttgcagc tcggccagct ctctaatcca cccaaggagc ccgcccagct      360
caagggccac atcccaaaga cagggtgaac caggggacag tccaagcctg agaaagcgac      420
agctacagga aggaaggcag aaaggctttc agatgagggg aggtcttctg tccatgggtg      480
agctgggatt cacggccatg aaggaaacgc caaggagaac agagacagac acccctggca      540
gctccccggg attgcttctg ctgctgttgt tattgcttcg ggcagagggg ctttgccccc      600
aggaggccaa gcaggccctc agaagctggc accaccattc tcatccttat cagttccggg      660
gggggcacgc tgggggtgag cagagggggc cccctccaag cagagaggca aggtaacagg      720
agagcctggt aggcagtgct gaatctgctt gtatgcacac gtgccctgac atgtttatag      780
atggacaccg ggtgcagtcg gggcgtgtga gtgtgtaatg agtgtgtccg tccgcgtcca      840
tgtgagcatg cagacggggt ggggcagggg tgagtggccc cggggaagca tgacagatat      900
ggctgtgggc tacagcgggg agcaagagca ggtaaacaat gcctggagca ccaacaggaa      960
agaccagagg ggcagaagga gaagcacaag gacaggagga tgcggccccc ctcgctccca     1020
gcaccccgca ccactcgtgc atgagacagg gggcagagca tgggaaaggc tgcagagtag     1080
gggggggcctg cagttggggt cacgggaact gggcgttagg tgtcccaggg gtgcctggtg     1140
ttcatgctga ttgcagtgat gatgcacgtc ctcctgggcc agtccacggg gtgcgcctgt     1200
acacactggg cgtgtgcgga tacaagggca tgaatgcagg ttggtcgctt gtcttcacac     1260
aggcatacgt aatgttcgca gagacaaccc cccatcctcc agtggccacc ctgagcgaac     1320
gcgtgggtcg                                                            1330
```


264

```
<210> 430
<211> 826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(826)
<223> similar to gi2072961 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters



    <400> 430
taccacaatc atgactatat aaggagtagc tatacttacg ataagagact ttgtatcaaa      60
cacagtaggg atgaaatcag gaagaggata caaaaattgt aaatatatat gcccccaata     120
tcagagcacc cagatatgta aggcaaatat tattagatct aaaggggaag acaatacaat     180
aatacaataa tacttgtgga cttcaacacc ctactttcag caatggacag atcatataca     240
tagaaaatca acaaagaaac accaagttta aactgacttt agaccaaatg gacttaaaag     300
acactaacag atcttttcat ccgacagcta cagaatacat attttttttc ataagcacat     360
gcaatatttt caaggagagg ccacatgtta aaccacaaaa caaatcacaa aaattaaaag     420
aattaaaatc acatcaagta cctttctgac cacaatgaaa taaacctaga aatcaataac     480
aagaggaact tttaaagcag cacaaataaa tggaaattaa ataacatgat tctgaatgac     540
caatgggtaa tgaagaaatt aagaaacaaa atttaaatgt cttaaaatga gtgaaaacag     600
aaacacaaca tataaaaatg tatgggatgc agcaagagca gttttaagag ggaagtattt     660
agtaataaac acctacatca aaaacaagaa agatctggct gggcatggtg gctcacacct     720
gtaatcccag tgctttggga gcccaaggca ggaggacgac ttgatgctgg gtcaagacca     780
gcctgggcca tatatatagc aagaccttat ctctaaaaaa aaaaaa                    826



    <210> 431
    <211> 837
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(838)
    <223> n = a,t,c or g

    <220>
    <221> misc_feature
    <222> (401)...(385)
    <223> similar to gi2981631 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters
```

<400> 431
```
cgagccacgc gtccgcttaa attttttgttc tggctgtggc tttatgcttt cctaaaatgt      60
ggcctgtaac gggttattgg taaatatgct gaattgcttt ctttggcaag tgcatttcag     120
tattgaatcc aagtaaaaac acaaatattt acttataaaa gtcatttggg gtagtaatat     180
ttttactatg gccactgacc cactagtgaa atgttagggc attgctagat tggatcctgt     240
ttatttaagg gccgagagaa agagaaagct aacattaatt gaatgcctat taatgtgcca     300
tcatatttgg tacactatta tctctttttt gctttcccag caactcggga agtttatatt     360
atctctgttt ttccagcaag aaaagtagct ctcaaagaaa tttatagaaa ttgagaagtt     420
gatttttaaa ctctgaaaat gtaaacaatc caaaatagtc aaaccaattt ttaaaaagaa     480
caaagttgag attcttgtat tggctgattt taaggcttgc agtaaagcta caagacagtg     540
tggtgttgga gaagagctgg acatataaat cagtagagta ggataaagtc cagaaataga     600
cccatacata catggtcaat tcgttttttga caaggcaatt taatggagaa aggaaaatct     660
tttcaacaaa ccatgctaaa acgactaggt ttccatatag agaaaaaaat gagcctcgct     720
taaaagggtc gtagacctaa atataaaagc tnnnnnnnnn nnnnnnnnnn nnnnnnnncc     780
gtgtggagtc tggagacgac gtgcagaaat ggcacctgga aaggggaagg aaaagaa       837
```

<210> 432
<211> 888
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (107)...(847)
<223> similar to gi1340175 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 432
```
ttttttttac tatactaata gattatgtat attataaaaa acacaataaa aaatagacat      60
tttaaaggga tgagattaaa atatagaaag aaaattccca tatgttttttc ctgctgccgc     120
tggggttgtg tgtccatctt tggggacctc tgagggaggc cctggagcca ctgagagggg     180
cggtggtcgc caggggtctg gaaaatggag taaggaggcc tgaaggggcc ccagggaggc     240
ttcggggagg caggggtcgg ggttacagct ccgcgccgct ggggaagcgg aatctgcggg     300
cggaggccgg ggcaccgtgc tgtccagggc aaggggaacg cagtcccgcg gcatccacga     360
cggaggggcc cggccgcggg gcctggtggc ccggggagcc agggcatggg catccggggc     420
agaaggactg cgggcgcgaa gcttgggagg cagggtactt ggggcccgga gagtcgctcg     480
ggcctggctc cggcagcagt cgcgacaggt cctccaccag gtgccacttc tcctgaacct     540
gctgtgagga gaacaagtgg cgagttgcga caggcgctgc ttcccacgag cgggtgtgag     600
gacagcagcg gcagcaactc tgcggcccat gggccagccc gcacccaaag tagccagagg     660
ccacgccccg cccgaggcca cgccccgctc gaggccacac cctcccaggg ccacgcccca     720
ccagggtccc gccccgatgc agccctagac cacgccctca ggagttccgt ccccaacgca     780
gccagatgcc actccttcca cgtccccgct ggagcccaca ccctcccagg gccacgcccc     840
accagggtac cgccccgatg cagccctaga ccacgccctc ctgcctcc                 888
```

<210> 433
```

266

```
<211> 677
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(677)
<223> similar to gi1724122 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters




        <400> 433
gcgccggggc atcagcatcc ttttaagttt atcaaaacat gcccggtgtg gctgcagctg      60
agtctgggcc aggcagaggt ggccaggatc ctgcaccggg tggtggctgg gatgttcctg     120
gttcgccggg acagcagctc gaagcagctg gtgctctgtg tccactttcc ttctctgaac     180
gaaagctcgg ccgaggtgct cgaatacacc attaaggaag aaaagtcgat attgtacctg     240
gaaggctcgg ctcttgtgtt tgaggacatc ttcagattga ttgcgttcta ctgtgtcagt     300
agagacttac tgcccttcac actgcggcta ccccaggcca tccttgaggc cagcagcttc     360
acggaccttg agaccatcgc caacctgggt ctgggtttct gggactcctc gctgaatcct     420
ccacaagaaa gagggaagcc agcagagccc ccaagagacc gggcccccgg attccccta      480
gtctccagcc tcaggcccac agcccatgac gcaaactgtg cctgtgaaat cgagctgtcg     540
gtaggaaatg accgcctgtg gtttgtgaat cctattttca tcgaggactg cagcagcgcc     600
ctgcccaccg accagccacc tcttggaaat tgccctgcac gccctttacc gcccacctct     660
gatgctctcc tgcctcc                                                    677




        <210> 434
        <211> 404
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(400)
        <223> similar to gi2477513 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 434
gccatgtcag tgcctgggca ggaggagcat atggtccggg tgcacgatgt cattcaacag      60
ctgccgccac cacattacag gtaaaccaga aggggcaggg cgggtcttgg tggtattcca     120
aggggttga ggctcaggtg ccccctctgc ttcctccccc aggaccttgt agtacctgtt     180
gaggcacatg gcccgcatgg cgagacacag tgccaacgcc agcatgcatg cccgcaacct     240
ggccatggtc tgggcaccca ccctgctacg gtccatgaag ctggagtcag tgggaatggg     300
tggcgcggcg gcgttccggg aagttcgggc ccagtcggtg gtggtggagt ttttgctcac     360
ccatgtggat gtcgtgttaa gcgacacctt ctcctcctgc ctcc                      404
```

```
<210> 435
<211> 763
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(723)
<223> similar to gi2047353 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters



<400> 435
ctcaggtagg cgctgatggt ctggggatca gtctccatgt ggattgcctg ctgcagggcc      60
agggctgtgg tgctcctgac gctgtcgaac agaggcaggc gaggcaggtc ccgcagcagc     120
cactgatagc cctgcagcac atctgtgtcc cccacatcct cctccatggg gggctccttc     180
tcctccccgt cccgcaggct gccctccgaa agcaccagcg acaaaccctt catggccagc     240
acgcgggagg ccacctggga ggagccgagg cgccgcaaaa agtagtccag cacctcacac     300
gtggtttgct catcagcctt cgggcccagt agcaggtcct gcaggcggcc cagcagctgc     360
cgctgctttt gttgcctctg ccgcttcttg gccttctgct ccttgctctc gccctcgtcg     420
tcctcctccc cggaagcagc atcgtccaca gcatcgtgca gcaggaactc gcacagacac     480
tgcacgggca gcacgtccag ggagccctcg ctggactgta ccaggtccgc cagccagggc     540
atggactgcg aggaggcctg ccgctggatg atgtggagga gaaagtcagg gtttcggctg     600
cggcacaaga ggtgcccgag gcggagggac tggttgaggc ttttcacttg atccaggatg     660
tgaggggggag gcctccgggg gggcccctgg gggtccaggc tggtgagctg cgacaggagg     720
aggctgctgc tctcagtgat ggtctgcttg gtggacgcgg ccc                       763



<210> 436
<211> 580
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(574)
<223> similar to gi4761233 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters



<400> 436
gtgcaattca agtgctacac cacgaggacg ggcagatgaa caccatctgg ccagcctcgg      60
tgcaggtcag cgtcaatgcc acgccgctca ccatcgagcg tggcgacaac aagacctcgc     120
acaagccact ctacctgaag catgtgtgcc agccaggccg caacaccatc cagatcaccg     180
tcaccgcctg ctgctgctcc cacctcttcg tgctgcagct agtgcaccgc ccatccgtcc     240
gctcggtgct gcagggcctc ctcaaaaagc gcctcctgcc tgctgagcac tgcatcacca     300
agataaagcg gaacttcagc agcggcacca tccctggcac ccctgggccc aacggagggg     360
acggggtgga gcagacagct atcaaggtgt ccctgaagtg ccccatcacc ttccgcagga     420
tccaactccc tgcccgaggt catgactgtc gccacataca gtgctttgac ctggagtcgt     480
```

```
acctgcagct caactgtgag cgggggactt ggaggtgtcc tgtgtgcaac aagacagctt    540
tgctggaggg cctggaggtg gaccagtaca tgctgggcat                           580
```

<210> 437
<211> 944
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> similar to gi2864625 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 437
aaggaggacg tgatgacgtg cctgattaag gggtgcaact tcgtgctcaa gaacatcccc     60
catgaggcct tcgtgtacca gaaggattcc gaccctgagt tccggttcca gaccaaccac    120
ccccacattt tcccctatct tcttgtcaat atcggccctg gagtctccat cgtgaaggtg    180
gagacggagg acaggttcga gtgggtcggc ggcagctcca ttggaggcgg caccttctgg    240
gggcttggcg ctctgctcac caaaacgaag aagtttgacg agctcctgca cctggcctcg    300
aggggccagc acagcaatgt ggacatgctg gtgcgggacg tctacggcgg cgcccaccag    360
actctcgggc tgagcgggaa cctcatcgcc agcagcttcg ggaagtcggc caccgccgac    420
caagagttct ccaaagaaga catggcgaaa agcctgctgc acatgatcag caacgacatt    480
gggcagctgg cctgcctcca cgcacggctg cacagcctgg accgcgtgta ctttggaggc    540
ttctttatcc ggggccaccc cgtgaccatg cgcaccatca cctatagcat caacttcttc    600
tccaaggggg aagtgcaggc gctgtttctg aggcacgaag gctacctggg agccatcgga    660
gcgttcctga aaggagctga gcaggacaat cctaaccagt acagctgggg agagaactat    720
gcaggcagct ccgggctgat gagtgcatca cccgagctcg gcccggcgca gcgggcgcgg    780
agtggcactt ttgacttgct ggtagtgagc cgggtggaaa ggccactggt tgaactgccg    840
cttcttctgg acccgccctc ctacgtgccc gacacggtgg aacttactcg atgacgctct    900
ggcctgaaaa tcctggctca actgctgtga ggaggccctg ggcg                     944
```

<210> 438
<211> 982
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (378)...(982)
<223> similar to gi1182038 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

269

<400> 438
```
gcgccggggc acatagccac tgcccagagc tgcccccaga gctgggagcc atcttgcaca      60
tggtgctgtg agatgccctc cagagaggaa gatggaagct gtctccgtgc cccgggactg     120
atgaagggcc cattccaggc ctttgggcac ccgggctcgc taccccttctg ggagccctgt    180
cctgtgggcc aggacaaagg tgccctcact ggtggcattc tcagaagctc agccactccc     240
cacacatgca cataggggcg tgcccacacc aagccacgtg tgggtgtctg gggacaatga     300
gtcttggggg aggggtgggg tcccttccag aagggtctgg ccaaagtcca gttatgaagg     360
tgagctgaga tgggctccct caaaggagcc atagtgtggg gagccccggg cagagcccag     420
agagaaatgc cagccccgag accgagacac gctccaagga gtgctgccaa gagcagtaga     480
cacagccgct gaggcccacg gggcacagtg aggctgtggg agagggtggc ccctctgtgg     540
ccatttccct gcctgtgctc acatcccctc ctcaggcctg tctcaccagc tcttgcagcc     600
catgacccac attctgtttg actctccttc ctctcctggc aacagggatc ccagtgcccc     660
tcaccattcc ttctggtctc tcctctgcct cccggaactg ttccccagga ctctctcctg     720
ggtcagccct tcctcccact ccacatcagt ggttccgaac cccggatgcc tttgggatca     780
gctgggtgca ttttaaatcc ttccagccca gagccctgag gcccaagtca cccccgcctg     840
ctcctgtggc accccttgga tcagccaacc attttatcat catccatcac gtcccctgtc     900
accaagagcc tctggcatgt tctgttgtcc ccacgcccac actggcaccc ctcatccacc     960
aacctgtata tctcctgcct cc                                              982
```

<210> 439
<211> 603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (48)...(604)
<223> similar to gi2121220 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 439
```
tttcgtgctg aggatgaggg tgaagagtac agccctctgg agggcctgcc accctttatc      60
tcactgcggg aggatcagct gctggtggcc gtggccttac cccaggccag aaggaaccag     120
agccagggca ggagaggtgg gagctaccgc ctcatcaagc agccaaggag gcaggataag     180
gaagccccaa agagggactg gggggctgat gaggacgggg aggtgtctga agaagaggag     240
ttgaccccgt tcagcctgga cccacgtggc ctccaggagg cactcagtgc ccgcatcccc     300
ctccagaggg ctctgcccga ggtgcggcac ccactgtgtc tgcagcagca ccctcaggac     360
agcctgccca cagccagcgt catcctctgt ttccatgatg aggcctggtc cactctcctg     420
cggactgtac acagcatcct cgacacagtg cccagggcct tcctgaagga gatcatcctc     480
gtggacgacc tcagccagca aggacaactc aagtctgctc tcagcgaata tgtggccagg     540
ctggaggggg tgaagttact caggagcaac aagaggctgg gtgccatcag ggcccggtgt     600
att                                                                  603
```

<210> 440
<211> 697
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(697)
<223> similar to gi2760483 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 440
tttcgtcccc gaggctcggc cggtgggcgc agccggggtc ctctgggatt gtcaggcctg   60
tccagcctcc cgcagcatcc ccgccccctc ccccggcggt caagatggag ggagcgggcg   120
gcctcccctc cccacgcgtg ttgggagggg ttctcgggta gcggcgatgg tcagccccgg   180
ctccccttc cgcacgatcc tccgcccgca gcgtggggat gctcgggcag ctcctccact   240
cccggtttag gtgtgaacgt tggaggggtc tggaggctgt ggtggcgttt tccggaacat   300
gtcccctcc atggggaca tctctggagg ggagaagtta gggccgcgtc ccccgtgccg   360
gttaaagggg taggcaccgg gctcctccgg aatcatcagg gtctgtcggg gctctctccc   420
cgcccctcc gagtcctggg aaagatcgga ggacggggtg gagacaagtg ggccttggcc   480
cccgcacccc tctgcgttcg tgtccgaggc ggcggcgggg gctcccgaac tcccctgaaa   540
tcgtgggct ccatgtggcc tccggcagcg ttccaccctc ccccacctgg ggaagggaag   600
gggtggggag tgcccggccc cgtcccggcc ttcctccttc ccccgccaga cctctccggc   660
gcgcgggtgg tggtcgatcc gcattgctgt tcgaggg   697

<210> 441
<211> 859
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (222)...(724)
<223> similar to gi2653353 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 441
cctgtggaag aagagcagga tggagagcat ggtctggtcg atgttgcggt tgcagatgcc   60
ctcgttgatc aggtagcagg ggtcccgcag caccggctct agcgaatcct gccgcattat   120
gctgttgagc ttgtcggtat tgaggttctc aaagaccagc ttttcctgca gctgccgaaa   180
gttgctcact gtagggctgc ccgggttgtt gttctccccg ctgctgcctc gctggagccc   240
actccgatgg gccaggtcca ggcagcagtt gcagcagtcg aggccgacag gtgagcggca   300
atcgagcttg gactgggcca tcttctcagg ctcggaggtc gcctggcctg cgaggtcagg   360
ggcggctggc aggtgcgcgc ccaccgagct ggcctgaggg gactccaggg tgcctggaaa   420
agacaagctg tgaggaaaag agttggaaat tagcgcctaa agccagccac cttcggctcg   480
gcccccttct ggctgtactg ctccgggtgc gaatagaaac agctggacaa acagctccga   540
gcggatcctt cgggctcact tcctcctctt cctccttctc ctccccctcc tcttgaggcc   600
gggggccgcc ccctgaggt gccacacgcg gccccagcgc agtcccaagt ttcccaagtg   660
tgagcgggga ttggggcgga cctgtggagg caggaagggc gggcagcagg gcagagggag   720
agccagggcg cgcccttgct ccctccctcc tttgctccct ccctccccgg tttgcaggct   780

271

```
ctcaggctct cgggctcccc tgggctgtga cggctgagcg gtggcaggag ctgagagcga      840
gtgagctacg aaatcgtcg                                                    859
```

<210> 442
<211> 1569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(1435)
<223> similar to gi211610 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 442
```
ctctcttccc cgctcttccg aggaaaggcg gggcctgggc gcccgcggga aacccgggcc       60
cgttgcatcc gctgggtgta gccgtgggga tggcaggttc ggggaggctg gtcctacggc      120
cctggattcg ggagctgatt ctggggtcag agacaccctc cagtccacga gccgggcagc      180
tgcttgaggt actacaggac gccgaggccg cggtcgcggg cccatcccac gcccctgata      240
cgtccgacgt cggggccacg ctgcttgtgt ctgacgggac ccacagtgtc cgatgcctgg      300
tgacgcggga ggccctggac acctcggact gggaggagaa ggagttcggc ttccgcggga      360
cagagggccg gctgctgctg ctgcaggact gcggggttca tgtccaggtc gctgagggcg      420
gcgcgcccgc agagttctat ctccaggtgg accgcttcag cctgctgccc acggagcagc      480
cccggctacg ggtgcctggt tgcaaccaag acttagatgt tcagaaaaag ctctatgact      540
gccttgagga gcacctttca gagtccacct cgtccaatgc aggcctatca ctgtcccagc      600
ttctggatga aatgcgggag gaccaggagc atcaggggc actcgtgtgc ctggctgaaa      660
gctgcctgac actggagggc ccttgcacag caccccctgt cacccactgg gctgcctcac      720
gatgcaaggc cacgagttca tgtcccacag ggagaagctg tgtacactgt ccccagctca      780
atgctgtgca tctctgagaa tgaccagcta attctgagct ctctaggccc ctgtcagagg      840
acacagggcc ctgagctgcc cccaccagac ccggctctgc aggacctatc tctgaccctc      900
atagcctctc ctccttcctc acccagttcc tcaggaaccc cggccttacc cggccacatg      960
tcatccgagg aaagtggtac cagcatcagc cttctgcctg ccctgtcctt ggctgctcca     1020
gacccagggc agagaagcag ctcccagccc tcaccagcca tctgctcagg cccctggcca     1080
ccctgacccc caggtcccca cacgccagcc gtaccccag ctccccactc cagagctgca     1140
ctcccagtct ctcacccegt agccatgtcc ccagtccaca ccaggctctt gtgaccaggc     1200
cccagaaacc tagcctggag ttcaaggagt ttgtagggtt gccctgcaag aatcggccgc     1260
cttttcccag gaccggagct accaggggag cccaggagcc ctgctctgtc tgggaacccc     1320
caaagaggca tcgtgatggt tctgccttcc agtatgagta tgagccaccc tgcacgtccc     1380
tctgtgctcg ggtccaagct gtcaggcttc ctccccagct catggcctgg gccttgcact     1440
ttctgatgga tgcacagcca gggtctgagc caactccgat gtgagacgtc acgcaggaca     1500
gataccgctc cacactctgc ttcctttgag tttttttaata aaataatctc atgcggcaaa     1560
aaaaaaaaa                                                             1569
```

<210> 443
<211> 661
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(662)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (153)...(657)
<223> similar to gi3660535 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 443
ccggtccgga attcccnnnn cacgatttcg ttgatccttg tgctaaatcc acggcagcat   60
cagacgttgc tgaatagctg gtgcgggagg ctgcagctgg ccatggggac tgcagcccct   120
gcctccgggg ctcactcctg ggcgggcaga cggtggctaa ggcagacagg cagttcttat   180
ggagcttcag gctgcccggg gaggcgcaga agattgatcg catgatggag gctttcgctt   240
ctcgctactg cctgtgcaac cccggggtct tccagtccac aggtcagtgc agagcccaca   300
gcctggcccc ttgccaggca cagcctccag ctctggaggg ggcggcccct gtgggcacag   360
cccagcgtgt gttcctgggg acctgccttc cctgagcgag gacgacctgt ggggccgggc   420
acctcttgca ggcgggcccc cagcacgcgg ggtcccactg tccactggag gttctggctg   480
agcccagcac cccggactcg ttgcagacac gtgctacgtg ctgtcattcg ccatcatcat   540
gctcaacacc agcctccaca accacaacgt gcgtgacaag cccacggcag aacggttcat   600
cgccatgaac cgcggcatca acgagggcgg ggacctccct gaggagctgc tgagggtgag   660
c   661

<210> 444
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (160)...(713)
<223> similar to gi530878 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 444
atagggatgg ctctgccagg gccagccctg ctggggaaag gggacaatga cggaccccag   60
ggcccccccgg aaagcaaaca ggattggatg gataagccaa gaaggatgta ataaatgatg   120
cactatcatg aatccccgag cgctagaatc gttctttccg tgcgccccca tcctgtgccc   180
tctgtccagc gccaccttcc ccaagcacca aaccagcaag ttccattttg tgtcgctcat   240
aagtccacac tcacatccag ccacaggcct tcgtccgtaa ttccccacgc tccaccaagt   300
gtccacagct tccaagtaac aaagggaaag ctcctcatgg ataaagggtg ggcgcagccc   360
tttccccttc tcctgaaaac cctgacccca agctcaaggc agcaccgaga gcaattccca   420
gccaccagcg tcacccccag cgccacagcc tgcctcccct agaggctcct ctctcttccg   480

```
acgcccatct ccttgtttac atccccagcc cggtttcccg ctgcccaggc ggggaccgcg    540
gcgcagctga ccgcggagga ccgcacacac ccactgaaca cacaaaaccc ggcgctcccg    600
gcgctccaga gatcggtccc caccgagcct cgcccctcct cggaaaaagg agccaacttt    660
gcccacctcc ccagccgcct acatgcacag ccggtcccct ccgagacacg aaa           713
```

          <210> 445
          <211> 949
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature
          <222> (1)...(950)
          <223> n = a,t,c or g

          <220>
          <221> misc_feature
          <222> (75)...(947)
          <223> similar to gi2317934 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

          <400> 445
```
gcacgttncc agnagggnat tccaagcttc ntctgcaaaa ctcctttccg ctgtgaactc     60
tggctcagac agtggctctg atgcagtctc tgggttccgg aaggccgtcc ctgggcattg    120
ggggtgtccg ctgtcccccc gctggcccac gcttagtgcc tgctcccact tctgcagagc    180
ttcctcaaac agctccatgc cttgcatgta caggctctct gcattgccgt cgctggtggt    240
cagagactcc tccatccctc tggcatccca tagtcccgag cacgcggctg tggggctgga    300
tgagttcact gccatcatcg aggccacact gtgggaggag ccccgagtgc ttgctgggct    360
caatggaaga gatgccactc agggtgtcgt tgctcttgct gctggggctc tggactctcc    420
ggctggagta tcctttcttc actgaaggga ccttcctggc caagaggata gggaggggca    480
ccgtgcccag ctgctcccct cccatctcgg gaccaacctg cttcttcctc ctccgtcgcc    540
tcttcagctg gtgggcagcc agggccaggg ccacagtccc cagggccgtg gcaaagagga    600
ctttccgcag gcctggcgtc aaccgtagct gggagaatgc agactgccca aacgtcgtgt    660
acaggaacac ggggatctcg gccaccgtca tggccagggc ctggatcata gacgtgccct    720
cggccctccg gaacgccatg gcagggccaa tgccccaggc aaagtcctca gggccaagag    780
cttccaagga gaacgtcttc aactggttgc cagctgggtc ccaggcacca tccacgcccc    840
agaaggacag ggacacacat accagagggc ccctccacag agccgggatg ccatcgctgc    900
ggaagggcag cgtctccttc cccacgaaat cgtcgacccg agtttccgg               949
```

          <210> 446
          <211> 990
          <212> DNA
          <213> Homo sapiens

          <220>
          <221> misc_feature

274

<222> (153)...(695)
<223> similar to gi3327230 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 446

```
caaaagagggg tggttcctca gccgcccctc acgtggcagc ctccacggag acttcctgga      60
tcttaatgtt ccttctccca ctcgtaagtc cacactgact gggggagttc aaaagcagag     120
gtgcattcag cagggctggg tatgactaag gagactatca gggcaggagc agaggccaca     180
gcatcaacag cggtacatct gggcccttgg cattcctggc acacccctgc ccagaggcag     240
gagtccctga ccagccagct tcctccatag catgacctgt gccaaatgta accatggatt     300
ctgctggcgc tgcctcaagt cctggaagcc aaatcacaaa gactattaca actgctctgc     360
catggtaagc aaggcagctc gccaggagaa gcggtttcag gactataatg agaggtgcac     420
tttccatcac caggcgcggg agtttgctgt gaacttgcgg aaccgggtgt ctgccatcca     480
tgaagtgccc ccgcccagat ccttcacctt cctcaatgat gcctgccagg gactggagca     540
ggctcggaag gtgctggcct acgcctgcgt gtacagcttc tacagccagg acgcagagta     600
catggatgtg gtggagcagc agacagagaa cctggagctg cacaccaatg ccctgcagat     660
cctcctgggt gagccacccc tgccagccag gccctcctcc tgcctcctcc cctctgttgc     720
acagcccggc ccctcccaga caggtcaagc ggcaccctta ccttccctct ctcctcttcc     780
tcttcattct tcatggcctt ctcactgcct ggctgttaaa gctcaggtcg aaagcctaca     840
ttgtaaggtg cccaagggcg cagatgttcg tggatgattc ttggatcctg ggctttaccc     900
tgctccccta gggagcttca tgagaatgtc tagagctgca cctggtgctt ggtagacgtt     960
ccataggtga ttgttggagg aaggaatgga                                       990
```

<210> 447
<211> 1145
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (61)...(455)
<223> similar to gi3413391 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 447

```
tgaccttcta gcaggttccc ccagggaggg gaggccacca gctgactcac cgcctaggaa      60
ggcccaggtg ctgacctagt ggcggagaaa aaacagccgc acaccgagtg tggcttccag     120
agccctctt cagctccagg cagcccctc taacatgtcc cctcctgagc tcagcccca      180
cccccatact cctggtgggg actaggtctt gcttggcttc ggggctgacc gccggtcccc     240
tttcttctca ccacagtgcc cattttcat ccagggagaa cctcggggct gggacacctc     300
ctggccctca ccctgggtca tgtttacagt cctcagtgcc ccacaccggt ggcccctga     360
ggacacctcc accctgacct tgattttccc aaacgctgcc tcttggtgac agactcagcc     420
caaaacccct tccttctgtc tctggagacc cttgagcttg gggaaatatg gaggggtggg     480
tgtctgcaat caaggcctct gcagctcacg gctggcccgg tgggctggga cttccgtctg     540
aatttaaat acttagggtt cattttttt tctctggcaa caaagcttga tgttttcact     600
gctttagttt cctgtttgct ggtgggaggg gatacggtct gtgactctgg acttgctctg     660
ggggaacagt tgtcactgcc cccgggggaga ggggcagctt gggctggaga agcacagcca     720
```

275

```
gagacagagc ccctcgagag ggatccttgg ctgcttcatt gtcttccccc cagcaagccc    780
tgctctccac aggcacctct ggggtcttgg tatggtcccc gctcacctcc ttccagagtc    840
ctgagtggtg tgggtgtggg tggcacagga tctggggcat gggaggggtt cagagcttcc    900
cagagccccg tgtcctggca gactcagctg gtgggctggg gtgttaaccc cagtcctggc    960
gtaggtttac agactctcaa ggtacgttgg ccctggtctc ctgggagaga ggggtgaggg   1020
atgtccccta ccaaagcaca aggtgggatc aggctgcctc ctgggtcggg tgtcggggga   1080
gctgtccggc agcctggcag ggagatgcaa gggctaaagt aaaattttgt caagtaaaaa   1140
aaaaa                                                               1145
```

<210> 448
<211> 595
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(585)
<223> similar to gi3599336 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 448
```
agagtgtgtt ctccaaccac aattgactca aatacttgta agctaaataa cagacttcta     60
aataatctgc ggttcaaaga ggaagtctgt agggaaattt aaaaacatac acagacctaa    120
atgaaaatgc agcatatcag aatttgtggg ataaagctaa acagtgcaat acagattatc    180
tgtagcacca gtgcgtacat tggaaaacag gaaaagcttt cctcaagtcg ataatctaag    240
ctctaatctc aagaaccaag agaaacaaaa ccaaaggaag cagaaggaag gacatttgaa    300
gagcagaaat caatgacatt gaaaacagaa atcaaacaat agagaaaatt aatgaaaact    360
agctggtttt ttgaaaaatt aataaaactg gcaatctcta gcaaggctga caaaaagaat    420
gtaaattatc aatatcagga atgaaatggg atgtcaccac agaccctgca gatatcaaaa    480
ggaatactgc aaacaattct ataagtttga cagcttacac aaaatggatt aatttcttgc    540
aaaacacaaa gtaccacaac tcatccaatg tcaaatagat tttgagttgc cctat         595
```

<210> 449
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(404)
<223> similar to gi3599339 in the genepept database release 114,

```
        <400> 449
cctaagatca ggaataaaat aaagacttcc actcctgcca tttctattct agctggggca      60
attatataag ataatgaaat aaaactcatg tagattgaaa aggaagttgt aaaactattt     120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnttcta aggaacacac acacactcat     180
acacaactat tagggctaat aaacgagttc agcagagctt cagggtaaaa gataaatgta     240
caaaaattgt ttctatacac caacaatgta caatcaaaga atgaaattaa ggaaacaagt     300
ttatgtacaa aagcatcaaa aagaatagga tacttaggaa tacatttaac aaaagaagtg     360
taagacttgt acactgaaag aacaaaacat tattgaaaga aat                       403
```

```
        <210> 450
        <211> 1436
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(1202)
        <223> similar to gi4378889 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 450
tctgatgatg ggaggatttg gaggtgctag tatacagaaa gcgcagtctc tgattgattt      60
aggatctagt agctcaactt cctcgactgc ttcactctca gggaactcac ccaagactgg     120
gacctcagag tgggcagttc ctcagcctac aagattaaaa tatcggcaaa aatttaatac     180
tcttgacaaa agtatgagtg gatatctctc aggttttcaa gctagaaatg cccttcttca     240
gtcaaatctt tctcaaactc agctggctac tatttggact ctggctgacg ttgatggtga     300
tggacagcta aaagcagaag agtttattct tgcaatgcac cttactgaca tggccaaagc     360
tggacagcca ttaccactga ctttacctcc tgagcttgtt cctccatctt tcagaggagg     420
aaagcaaatt gattccatta atggaactct ggccttcata tcagaaaatg caagaagagg     480
agcctcagaa gaaattacca gttacttttg aggacaaacg gaaagccaac tatgagcgag     540
ggaacatgga gctggaaaag cgacgccaag ccttgatgga gcagcaacaa agggaggcag     600
aacgtaaagc ccagaaagaa aaggaagagt gggaacgaaa acagagagaa ttacaagaac     660
aagaatggaa gaaacaactt gaattagaaa aacgcttaga gaagcaacgg gaattggaga     720
gacaacgaga ggaagaaagg agaaaagaca tagaaagacg agaggcagca aaacaggaac     780
ttgaacgaca acgtcgctta gaatgggaga gaattcggcg acaggagctt ctcaatcaaa     840
agaatagaga acaagaagaa attgtcaggt taaactctaa aaagaagaat cttcatcttg     900
agttggaagc actgaatggc aaacatcagc agatctcagg cagacttcag gatgtccgac     960
tcaaaaagca aactcaaaag actgagctgg aagttctgga taagcagtgt gacttggaaa    1020
ttatggaaat caagcaactt caacaggaac ttcaggaata tcagaataag cttatctatc    1080
tggtacctga gaagcaatta ttaaatgaaa gaattaaaaa catgcagttc agtaacacac    1140
ctggtaagtc tctaaggttt gtctgattac ttttatcctt ttctgaatga ctgtatcagt    1200
cacattgtta cttttttaaa attaaaaaaa gtattctgtt ataaataaca cttttttgcct    1260
gtaagtttaa agtttcaaaa taaagtgaaa aatatcccag atgttagagc attttttagtg    1320
ataaaaagta gataaaaata aaatagtaat gattgtggta tgacttcata tcttgatgat    1380
atttttatgt atataattga aacatcaaat aaagtgttag actataagat ataaag        1436
```

277

<210> 451
<211> 1044
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1042)
<223> similar to gi2224553 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 451
```
agtgccctgc gcaaggaaca ggactcattt ctgagaagga tggacgcagc cccaacaaat      60
cagacaagga ccacatccgg tggcccatga gtggcgctca tgatcttcag caggcggcac     120
caggccctgg cggggcgcac cagggtcacc ccaaccagga taaccggacc gtcagccaga     180
tgctgagcga gcggtggtac accctggggc ccaatgagat gcagaaatac cacgacctgg     240
ccttccaggt gaaggtggcc cacttgcaac aaggaccgaa agaagtccag ctcagaggcc     300
aagcccacaa gccaggggct agcaggagtg taacaagggc tcgtgggagc ggagcatata     360
agagacgggc actgccactg cccctggggt gtcctctgaa ctccagtcag ttgcagccca     420
aacacttcag agctcggata ccaaggagca gcttctgtgg ggcagaatgg ctgcacacag     480
tcagggaacc tggcttagcc tggcccaagc cttctcccac agtggggtac acagcctgga     540
cggcagggaa atagaccgtc aggcactacg ggaaccgaca caggtggtgt ctggcactgc     600
atcatactct ggcccaaagc cttctactca gtatggagct ccaggccact ttgcagcccc     660
tggtgaggga ggtgaccagt gggcagccct gctgctgccc acctgagctg ctcattccca     720
gcacatggcc agtgaggaca tagcaagtga cgaggagcac acggtcatcc atgaggagga     780
gggggtgatg atgtcattgc tgatgatggc tttagcacca ctgacaccga tctcaagttc     840
aaggagtggg tgaccgactg agagtgggga caactctggg gaggagccag agggcaacaa     900
gggctttggt gggaaggtat ttgcacctgt cattccttcc tcctttactc ctgccgcccc     960
ttgctggatc ctgagccccc agggtccccc gatccacctg cagcttttgg caaagtctat    1020
ggtcccacct tgtcctccac gaaa                                          1044
```

<210> 452
<211> 1046
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (314)...(1039)
<223> similar to gi3165522 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 452

```
acgaggagtt  tgaaaagttg  gcggaggact  gtaagcggag  catggacatt  ctgaagcaag      60
ccttcgtccg  gggtctcccc  acgcccaccg  cccgctttga  gcaaaggacc  ttcagcgtca     120
tcaagatctt  ccctgacctc  agcagcaacg  acatgctcct  cttcatcgtg  aagggcatca     180
acttgcccac  acccccagga  ctgtcccctg  gcgatctgga  tgtctttgtt  cggtttgact     240
tccccctatcc caacgtggaa  gaagctcaga  aagacaagac  cagtgtgatc  aagaacacag     300
actcccctga  gttcaaggag  cagttcaaac  tctgcatcaa  ccgcagccac  cgtggcttcc     360
gaagggccat  ccagaccaag  ggcatcaagt  tcgaagtggt  tcacaagggg  gggctgttca     420
agactgaccg  ggtgctgggg  acagcccagc  tgaagctgga  tgcactggag  atagcatgtg     480
aggtccggga  gatccttgag  gtcctggatg  gtcgccggcc  cacaggggg   cgactggagg     540
taatggtccg  gattcgggag  ccactgacag  cccagcagtt  ggagatgacg  acagagaggt     600
ggctggtcat  tgaccctgtg  ccggcagctg  tgcccacaca  ggttgctggg  cccaaaggga     660
aggcccctcc  tgtgcctgcc  cctgcaaggg  agtcagggaa  cagatcagcc  cggcccctgc     720
atagcctcag  tgtgctggcg  tttgaccaag  agcgtctgga  gcggaagatc  ctggccctca     780
ggcaggcgcg  gcggccggtg  cccccagaag  tggcccagca  gtaccaggac  atcatgcaac    ?840
gcagccagtg  gcagagggca  cagctggagc  aggggggtgt  gggcatccga  cgggaatacg     900
cagcccagct  ggagcggcag  ctgcagttct  acacggaggc  tgcccggcgc  ctgggcaccg     960
atggcagcag  ggatgctgca  aaggaggcgc  tctataggcg  gaatctggta  gagagtgagc    1020
tgcagcggct  ccgcaggtga  ggagcc ·                                          1046
```

<210> 453
<211> 1413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(1412)
<223> similar to gi2914017 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 453

```
cgcaggactc  ctttacatgt  gtccatcatg  gccgggaatg  aatatgtgtt  cagtcagctg      60
ctgcagtgca  aacagtacgt  agggagacac  gcacaagtga  gaaggcggtt  gtgaggggggg    120
attgtgagtg  aaaaatcatt  ctttttaaac  atctttagtg  ttgcatatat  taagaagtta     180
aagtgagcta  aaaaaaaaat  gtgtcattga  aaaagggtaa  agagaaagaa  ccaggttgtt     240
gtcagtatag  agtgtctcaa  aaagattgta  tgtgctgttg  acactgcttc  tgcttttcag     300
actagattta  gaactcaaag  accacgaggg  cagcacggct  ctgtggctgg  cagtgcagca     360
tatcacagtg  tcttctgacc  agtctgtgaa  ccccttcgaa  gatgtccccg  tggtaaatgg     420
gacttcattt  gatgagaaca  gctttgcagc  cagactcatc  cagcgcggca  gccacacaga     480
cgcacctgac  acggcgacag  gaaactgttt  actacagcgg  gcagctggag  caggaaacga     540
ggcagcagct  cttttcctgg  caaccaacgg  tgcccatgtc  aaccacagaa  acaagtgggg     600
agaaaccccg  ttgcacacag  cgtgtcggca  tggcctggcc  aacctcacag  cagagctcct     660
gcagcaaggc  gccaacccaa  acctgcagac  ggaggaagct  ctgcctctgc  caaaggaggc     720
cgcatccctg  accagcttgg  cggacagcgt  ccatctgcag  acgccactgc  acatggcgat     780
cgcctataac  catccggatg  tggtgtctgt  catcctggag  cagaaagcca  atgctcttca     840
tgccaccaac  aacttgcaga  tcattccgga  cttcagcctc  aaagattccc  gagaccagac     900
tgtgctgggc  ctggcattat  ggactggcat  gcacacgatc  gcagcccagc  tgctgggctc     960
tggagccgcc  atcaatgaca  ccatgtcgga  tgggcagacg  ctactgcaca  tggccataca    1020
gcggcaggac  agcaagagcg  cactcttcct  gctggagcac  caggcagata  taaatgtcag    1080
```

279

```
caggactcag gacggggaga cagccctcca gctggccatc agaaaccagc ttccactcgt    1140
agttgatgcc atatgcaccc gaggagctga catgtctgtg ccagatgaga aggggaaccc    1200
cccgctgtgg cttgcattgg caaacaatct ggaggacatc gcatccactc tggtcagaca    1260
tggctgtgat gccacatgct ggggtccggg acctggtggg tgccttcaga cgctcttgca    1320
cagagccatt gatgaaaaca acgagcccac cgcctgcttt cttattcgca gtggctgtga    1380
tgtgaacagt cccagacaac caggcagtgt att                                 1413
```

<210> 454
<211> 942
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)...(831)
<223> similar to gi2894106 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 454
```
tcgacccacg cgtccgggct ggattaatgg agcatatttc cttcccctcc caatgtccag      60
gtggagtcct ttgaaagact gatacaggca ggacgtctca tgccccagga ccaagtcaag     120
ggcttccagc ggctgaaggc tgcccacgcg ccctagagg aggagtacct gaaggcttgt      180
cgggagcaac accctgccca gccgcttgcc ggctccaagg ggacgcctgg aagatttgat     240
cctcgcaggg agctggaggc agagatatac cgtctgggaa gctgcctgga agagctgaag     300
gaacacatag accagaccca gcaagagcct gagccgcccg ggtcagactc agctctggac     360
agcaccccag ccctgccctg cctccatcag ccaacgcacc tgcctgctcc ttctggacaa     420
gcccccatgc cagccatcaa gacctcctgc cctgagcctg ctaccaccac tgccgccgcc     480
agcactggcc cctgcccatt gcacgtaaat gtggaggtga gctctggcaa cagtgaggtg     540
gaggacaggc cacaggaccc cctggcccga ctcaggcaca aggagctgca gatggaacaa     600
gtttaccatg gcctcatgga gcggtacctc agtgtgaagt ctctcccaga agccatgaga     660
atggaggagg aggaagaagg agaggaggag gaggaggaag aggggggagg tgactccctg     720
gaagttgatg gggtggctgc aactccaggg aaagcagagg ccaccagggt cctcccaagg     780
cagtgcccgg tgcaggctga gaaaagtcat ggggctcccc tggagtaagt cactgagcct     840
ttcctgcaga atgtttggtt ccaccctaaa accacaggga tgatcactgt cagagtgaat     900
aagacagcgc ttcacagttt agacatggct tacctgtcct gc                       942
```

<210> 455
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (199)...(573)
<223> similar to gi4185567 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

280

```
      <400> 455
cccaaacaaa gatggcgcgg gaagcgtctg tgagggcaga ctgatccgag cacccaaacc        60
ctcggcggac agcggagcca gtggtagccg cacggcccta aaaccatgga ggagggcggc       120
agcactggca gtgctggcag tgacagcagc accagcggga gtggcggggc gcagcaaagg       180
gagctggagc gcatggctga ggtcttggtc accggggaac agctacggct caggctgcac       240
gaagaaaagg ttattaaaga tagacgtcat catctcaaga cctacccaaa ctgttttgtc       300
gcaaaagaac tgattgactg gctgattgaa cacaaagagg cttctgacag agagacggca       360
attaaactca tgcagaaatt agcagaccgg ggcattattc accatgtgtg tgatgagcat       420
aaggaattca aggatgtcaa actcttctac cgctttagaa aggatgacgg caccttccca       480
ttggataatg aagtgaaggc ctttatgaga ggacagaggc tatatgaaaa gtatgttccg       540
catgaaatcc cccctgtaat cttgacttat agaaagaagc acaactgtgc cagtctcatt       600
atgttgattt cagcgggggct tttctatgtg ggctggttac ataactgttc ttttccatat       660
gagaaaacta tcaagcattt gctgtctctt tgccagaaaa taagtcaatt tcataagggt       720
tttaaa                                                                  726


      <210> 456
      <211> 1042
      <212> DNA
      <213> Homo sapiens

      <220>
      <221> misc_feature
      <222> (1)...(1043)
      <223> n = a,t,c or g

      <220>
      <221> misc_feature
      <222> (80)...(1029)
      <223> similar to gil196433 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters


      <400> 456
tattgggggga aaacccctgg nactcccncc cggaaaccta ttgggganctg gatcaacaat        60
ttccggtaaa ggttggcggg gatacaaatc caacatacca aaaatccagg taggcatttc       120
ctatatgccc aacagaaaac aatcctggaa aaagaaatca ggaaaggaat tcccatttcc       180
caattgccca caaataaaat aaagtaccct caaaattaac ttaacccaaa gaagagaagg       240
atttctacaa tgaaaactat aaaccactga tgaaagaaat tgaagagggc accaaaaaat       300
ggaaagaaat tccatgttca tacattagaa aaattaatat tgttaaaatg ttcacactac       360
ctaaagcaat ctacagactc aatgcaatcc ctatcaaaat accaataaca ttcttcactg       420
aaatagaaaa aaaaatgctg aaatttatat ggaaccacaa aagacccagc gtagccaaag       480
ttatcctgag caagagaaca aaactggaag aatcacatta cctgacttta aattataccca       540
cagagctata gaaacaaaaa cagcatggta gtggcataaa aacagacaca tagatagtgg       600
gacagaataa agaactcaga gctaaatcca tatagctaca gtgaactcat tttcgacaaa       660
agtgccaaga acacacattg gagaaaggac agtctcttca aaaaaatgat gctagaaaac       720
tggatattca tatgcagaag aatgaaccta gaccccctatc tctcaccata ttaaaaaaat       780
caaatcaaaa tggattaaag acttaaactt aagacctcaa actatgaaac tactaagaga       840
```

281

```
aaacattggg gaaacactcc agcacactgg antaagtgaa gatttcttga ttaacacttc    900
acacagcaca agtaaccaaa gcaaaaatgg acaaacggga tcatatcaag taaaaagctt    960
ccacacagaa aagaagataa ttaacaaagt gaagagacaa cccatggaat gggagaaaat    1020
atttgcaaac tcccggacgc gt                                             1042
```

<210> 457
<211> 959
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(962)
<223> similar to gi2047300 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 457
```
gcctcaccaa gcaggaagac tgctgcggta gcatcggcac tgcctggggc cagagcaagt     60
gccacaagtg tccccagctg cagtacacag gagtgcagaa gccagggcct gtacgtgggg    120
aagtgggcgc tgactgtccc cagggctaca agaggcttaa cagcacccac tgccaggaca    180
tcaacgagtg cgcaatgccg ggcgtgtgtc gccatggtga ctgcctcaac aaccctggct    240
cctatcgctg tgtctgccca cctggccata gtttaggccc ctcccgtaca cagtgcattg    300
cagacaaacc ggaggagaag agcctgtgtt tccgcctggt gagccctgag caccagtgcc    360
agcacccact gaccacccgc ctgacccgcc agctctgctg ctgcagtgtc ggcaaggcct    420
ggggcgcgcg gtgtcagcgc tgcccaacag atggcaccgc tgcgttcaag gagatctgcc    480
cagctgggaa gggataccac attctcacct cccaccagac gctcaccatt cagggcgaga    540
gtgactttttc ccttttcctg caccctgacg ggccacccaa gccccagcag cttccggaga    600
gccctagcca ggctccacca cctgaggaca cagaggaaga gagaggggtg accacggact    660
caccggtgag tgaggagagg tcagtgcagc agagccaccc aactgccacc acgactcctg    720
cccggcccta ccccgagctg atctcccgtc cctcgccccc gaccatgcgc tggttcctgc    780
cggacttgcc tccttcccgc agcgccgtag agatcgctcc cactcaggtc acagagactg    840
atgagtgccg actgaaccag aacatctgtg ccacggaga gtgcgtgccg ggccccctg      900
actactcctg ccactgcaac cccggctacc ggtcacatcc ccagcaccgc tactgcgtg     959
```

<210> 458
<211> 970
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(516)
<223> similar to gi4868120 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

```
    <400> 458
ccgggtcgac ccacgcgtcc gcccacgcgt ccgcccttgc gtccgctttc gcgtccgggg        60
atctgagggg tgagggtggg cccctcctc acgccttctt cactgccccc ctcagagtgc        120
acaatacgag tttgttcctg cctccactct cccacccgt tctggcctcc ctgtctcaag        180
atactgagcc tctcacctcc cagccctcag ccaccccat ccctgccct tctgagactc        240
acagcacccc tttccttcct ctcctcccac ctcctccctc agccctcat tctccttggg        300
aatctgcaga gggctctggg actcactgcc ggatgtgaaa tccaggcgtc agctgtttcc        360
taggcaaggg caggaaagtg gtctccagcc cttgctccac tcatgcctgg gggcctgggg        420
ctgagtggta tccctacctg gcctccccct ggcctctggg cctccagcgc tgggtttgtc        480
gagtgagaga gagagaggag cttgggttgc ttccctgtcc ccgcccctc tgtggcattg        540
tccctcccac tcttattttt ctaccaattg ctattttcc gaacaatcct tgtagagtat        600
gtaccatcca aaggcaggag ggcctcgccg tggccggctc tggttggaga tggtacagtt        660
ttattgtaca ggtgctaaaa caacaacaac aaaaaagaaa atggaaaaaa aaaagattaa        720
aaaaaaaggg aaaaaaaaaa agccagttgg gggaggggac aatctgtttt ttaaaggctc        780
ctgagccatg cgggagcatt ggtggttatt ttctttgtat tgtgtttgtt ctttgttcct        840
gggggggaag ttatcggccc ccttctgtag gactgctccc cacccccacc atactgccca        900
gttggttttg aacagttgtt ttccctttt aagaaaaaaa aatacacata tatacccca        960
cataactata                                                               970



    <210> 459
    <211> 408
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (7)...(411)
    <223> similar to gi196432 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters



    <400> 459
aaaaaccctg cagtaggcac caaacctaac aatgagacat taaaagcctt ctctttacta        60
tcagaaacaa ggcaaagagg cccaatgttc tcacatctat tcaaagttac attacaggtc        120
tcagccagta agctaaggaa agtaaaacaa attaaaaata aaaggtttgg aaaagtaaaa        180
ataaaactct gattattttc ttatgatatg actacaatga catccagaaa taatatataa        240
acaagttatc aaaattaata aaagtataag actaaaagtg attaaataca gaaaatcctt        300
ttgatatatt tttctactta ttgctgatgt atagaaatga atacttgaaa gaacaaaaag        360
taatacgata cctagaaata catctaacac aatacatata ggatttca                    408



    <210> 460
    <211> 881
    <212> DNA
    <213> Homo sapiens
```

283

<220>
<221> misc_feature
<222> (3)...(269)
<223> similar to gi4589616 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 460
```
atatgattaa aaacaaaagc aaatactcat atatcagtgg ctgaagaagg aaatgataaa    60
tggctctctc ttgatttgga gcaggtgggt agatgaattt caaaaatata cctctttgga   120
ttctattttc tccttgaagt tagataccta aagtcaccat gtaatgtttt aactctcccc   180
ttactccaat tttgtttttag tttcatgaat ctttattgaa tatttgtgcc ctgctctaga   240
tagatgggaa ggttcaattt ttaataatta ggtaactagg aatgcccagc ttgttaaggg   300
aggtagacgt ttaacaatta ctaaccactt tggttaaata aagcagccaa agactagata   360
agatgtaaat gcaccaaaga gaaggaaatt acttattctc tctaggaagc tattaggaat   420
gctttcagag agtagggtaa gccagactct tcttcaagtt atttgaggag agtagtaact   480
tagaagtgaa attttgattt tgtgccatca ttaaatcttt gaataagagt tttctgaatg   540
actgacagag gttgatggaa tattttattt ttgaagaact tttattctaa aagttaggat   600
tagagaagtt tttgctgttt ctattcatta ttcctttttg catacaaaac cgtccttgtt   660
gggattattc ttgaagtata ttctttagaa tttctttttag agctggtttt gaaggtaaat   720
accatcagtg tctctagaaa aatctctctg gcgggaggga caatgatcgg gatataaacc   780
caggcgttcc aggggcaac ggcaacccc tttaggtccc ctgcctttgt atgggagctc      840
tgttttcact ctatttcact ctattaaatc ttgcaactgc g                       881
```


<210> 461
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)...(578)
<223> similar to gi2197085 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 461
```
aattaagtgt agagaaaatg tatctcgaca caaaaaagaa ccgtgtatga caagctctta    60
gctaacatta ttctcaacag tgaaaagtgg aaagcttttc ctccatgttc agagacaaga   120
caaggatgac cagtctcacc acttcttttc atcgttaaca gtggaattcc taggcagaac   180
aattagccaa gaaaagaaaa gcatcctact cagaaaaaag tgaaattatc tctaattgca   240
gacaacatga tcctgtatac agaaaaccct aaatattcca ccaaaaactg ttagaactga   300
tgcatgaatt cgataaggtt tcaggataca aaataatcta acaaagatca gaagtgtttc   360
tgtatacaaa taacaaacta cctgaagaaa tttttttaaa aatcccaagt atgatagcaa   420
cagaaattaa atacttaggt gtaaatttaa gcaaaaaatt aaaggtcctg tatatgaaaa   480
actataaaac cccaatgaac aaaaatttaa aaacacaagt aaatgaaaaa aaaattcatg   540
cttgtggatg ggatgaatta atattgtgaa aatgaacaaa at                      582
```

284

```
<210> 462
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(387)
<223> similar to gi1334643 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


    <400> 462
ttgttggggc tccaggctgg gctccgcctc acgctcccca ggtcggtcag ctccgagact      60
gtggctctcc gaggggggcag cacctggcct ggcacaggga ggttaatcct atgacgtcac     120
tgccaacctc cccaccccca tgcccatccc ttcgggttcg cgctgccccg agcggctcag     180
ctcccggggt tctgccttcg ctcccggccc tgcgtcctgt cccggctctg gttccctgct     240
gaggcctgcg gcgcgacggg gacgcggaag ggaaggagga gggggtcctg cgtcagcctc     300
gagtcagggc ccccgggaag gagagggtgt ctgtgccaga ggatggccct cgtccccggt     360
gccggctccc acccccagcc ccgcagcatg ggggctctag tcacccttgc ggacgaaa      418
```

```
<210> 463
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (135)...(288)
<223> similar to gi1655699 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


    <400> 463
aaggggtgca aataaccaga tatcagaagg aatttctgta aaacgatttc tggaaagatc      60
tgcttgggtg gtgtccgtca ggtcgtagcc gctgcccggg aagtctcgga gtttccgacc     120
actgaggctc aggatgccgg agctgcccgc ctcttccagg gcccggtcca ggctcctcac     180
ggtgtgctga ggctgcaggc tccccgggtt ccacggcggc ccgttgggga acggctgacc     240
gaaaagagtc ggtaccggga tgggaaccac cagggtcccg ccgccgccgc cgcctccccc     300
tccagccccg ccacctcccc ctccagccgt gccacagcca ccgctacttc cacctccacc     360
acaaccgccg cccccactgt taccgcctcc tccctgactc gccgccatgt tcctgggaga     420
gagaatagcc cccgacacga aa                                             442
```

<210> 464
<211> 884
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(885)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (884)...(250)
<223> similar to gi5457357 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 464
atctttgtct ccttctcttc tctccccaca atccttgatg agttgttctc agacactgct   60
tggcaaatct gaaccctagt cagtcttata agggctcctg tcctccttgg aaggctttgt   120
tattgataca tgccaatgag aaaaaaacac attaacgagt agctgatgga tactaaggga   180
gtattttact gaaaaaaata gaaaactaca tttttacacg aaataaactt atgtctgcaa   240
tactcagcct taaattcacc cctcacttca gaagaggtcc caggggcagg aataacacgc   300
acagattgtt tgttcacgac ttccagccgg tccaccagac ctctggccag gtaatactgt   360
acaaagtgct tccacgtgat ttctcttcca ggatctcgaa aatagaggta gaaaaatccc   420
atgggcaacg cctgaccccc aaaagggcca gactgcggga aatcctcgtc atcccagggg   480
aagtcccccc ttctggcatc cgcctccacc aggcaacgtt atcctgcttc cctcctctcc   540
tgcctccgtc tcctccagac tcagcattct ctagttcacc agtctctttg ggtggttttg   600
aacacagcca ccaggaaaat aacgtcggtc ttgcctgcag agtcagcttc tgaacgtgga   660
tcccctggaa gcactggaac aggaggccag atgagctttc ctagcttctt cttgaaatgc   720
aacaacgnac atnctcaact tgggcaataa ccaacttgtc ggggccttgg cccagggncc   780
cctccggggt ttggtnttgg gccgnncccc tgccggcctc cttngggcca accaaaaaat   840
cgggccnaaa aggnaaaggc caagggggggc ctgggccaaa cccc   884

<210> 465
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (73)...(450)
<223> similar to gi3875538 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 465
acatttcgtg tgcgtttgaa ggttggcggg gcggcgtttg gttttcccgg atatgtgggt   60

```
gtgcgcctcc cgggtggggc gggcggggag gggaggagga ggaaggggga ggttactggt    120
ggtggcggcg gcggcggcgg cccgggctcc ggctgtcggg gaagctgctg agctgtgatg    180
gtgatgacga ggtgaaaatg gcggatcttt cgaaatacaa tcccggcccc tgacatacca    240
gaggcggcgg cgacggcgac gtcgccaccc cggctccctt ctcggtcccc gggtaccctg    300
gagcgctcca gtttggacaa actgggaaag gaagctgctg ccagagcta tcgtgcacgg    360
gcaaaacaag ccccgccggg gctcgggatt gcccaggacc ttccggagcc cctacctcgg    420
agcccgaggg aggagaaagc ggcagccgct ggagtgcctg atcaactttc tagcgggaga    480
acgatcatgg aggtggtgcc agctgaggtg aatagtttgc ttccagagga aataatggac    540
actggtataa ctttagtgga tgatgatagt attgaggctg ttattgtttc atccccc       597
```

<210> 466
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(417)
<223> similar to gi903758 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 466
```
cggtggcatt cgccttccac ctcctggatg tggcagataa cgcccttcag acactagagg     60
aaacagcttt cccttctcca gacaaactgg tcaccttgag gctgtctggc taccccctaa    120
cctgtgactg ccgcctcctc tggctgctcc ggctccgccg ccacctggac tttggcatgt    180
cccccccctgc ctgtgctggc ccccatcatg tccagggggaa gagcctgaag gagttttcag    240
acatcctgcc tccagggcac ttcacctgca aaccagccct gatccgaaag tcggggcctc    300
gatgggtcat tgcagaggag ggcgggcatg cggtttttctc ctgctctgga gatggagacc    360
cagcccccac tgtctcctgg atgaggcctc atggggcttg gctgggcagg gctggacgaa    420
a                                                                     421
```

<210> 467
<211> 1834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1316)...(1723)
<223> similar to gi577019 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 467

287
```

```
cctactctga tgccattatc ttgagatgtc ttagatatga ataaaaagtc attccactca    60
ttatgagaac tgtctttaga agaaaattat actgaattat accataggaa tatctctagg   120
ttttgaaaat catataccca gagatgattc cataaataag gaatcaggca aaaaaccaaa   180
ggaattcatt ggtgagagga gagtgttagg gatctcattc ccctgcaact actggctgac   240
cccaaccctg cattgcaaaa cacttggccc cctctgacct caaaaagcat ttggtgcttc   300
ctcattaagc tctatttatt gtctttacta ttcacccatc tgcctcagtc tgggccaaat   360
ctattgccca atcttcaatt ggttgcgact tttttgtctc ttcccgattc tggcattcca   420
gagggtcaat aggttccttc tccacgtgct tttgagggaa atgccccccc ccaaaaaact   480
tttcacacca ccttgaacag actctaaact taggcactac agttactaag cagcctttgg   540
attctttgtt tttgaagtta gatcttttca gctattagtg gaaaatgtgc ctcactctac   600
tccaggatta ccaatagaaa tgaaaggaca gaaatggcat tagtgtttag agaagattat   660
gtatatatgg ctgtgtgaac actgaaaatt atgagggtca acataaaatc agcattacag   720
gtactaaaac ataaatcctg atggctttca ccgttttctt aagagcaaaa ttgcaaaaag   780
tgatattaac agtcatccta gacgaatatg agcaaatgat ttgttttttcc ttaaaagagc   840
ctccaagtgt attgtgatca ttttcacact gatcaaagag agcacccttc tgtcaacagg   900
tatctgcagt tttcaggacc tggcagaaat tcttctatgt tctgccttta aaggtcaggt   960
acaaaagcag agacagctgc caggcccctc tgcccagagc taagtgtctg ggaccatgag  1020
tgggaaggac aggcttgagc ctccttggtc ctccagacag catggggcgc tacttgcccc  1080
ttctgcagct gcgcgcggca aagctgtggc ctggccgtgg cctcctgccc catgcaacag  1140
ttggtggaca gaccgtacct ggcacacggc gccttgtgca ctttccaaca ttttgatgct  1200
aaccgtcgct agtcactgag ccctgacatt tgatctctgg ccttgaccgc agatttcgga  1260
aacttctggc agcccagtgt ctactggaag gcccaagccg cttgccagaa agctgcgccc  1320
cgcccaaaag cactgggttc tgcagtccag gggccttcct cagctcccag gtccaggaga  1380
actgcaacgg tcacctactt ccacaggaag cactgggtcc gcatccggcc cctccgcacc  1440
actcctccca gctgggacta caccecgcatc tgcatccaga gagagatggt ccccgcccgc  1500
atccgcgtcc tgagagagat ggtccccgag gcctggaggt gctttcccaa caggctgccg  1560
ctgctgagca acatcaggcc tgatttctcc aaggctcccc tggcctacgt gaagcggtgg  1620
ctttggaccg cccgccaccc ccacagcctg tccgcagcct ggtgaccgtg aaaatcgccc  1680
cgccagagag cagaggaagc ccgacgccca ggccatctgc cttcaggtct gtgatgagaa  1740
acggagtggc ctgttccgtt gtgcccaggt ctaggccgct gagcagagcc ctcactccca  1800
ggcagagttg tctgaatcct tcctggcggc cgct                              1834
```

```
        <400> 468
ctaattgaca tttacagtat acttcattca acagagtaca tattcttctc aagctcacag    60
gaaacatcca ccaagataga ctacatactt ggccttaaga tacaccttac aaatttcaaa   120
gaatacaaac catataaagt gtgctctcag aggaaattaa acaaaatcaa aaacagaaac   180
gtagatggga aatctcaaaa taactggaga ttaaacaaaa cacttctaga taccagatgg   240
gtcaaagaag aagtctgaac agaaatttta aaatgttttg aactaaataa aaatgaaaat   300
acaatgtatc aaaatttata ggaagcagtg aaagtagtgg ttggagataa attataatat   360
```

288

```
tgaatgccta tattagaaga gattaaaaag atttaaaatt cataatctaa gtttccatct      420
taggaaacta gagaagaaag atcagtgtaa gcctaaagca agcaaaagga tagaaataaa      480
aattatagta gaaatcaata aaatagaaaa caagaaacca atagaaaaat tcagtgaagt      540
aaaaatgtgc taatttgtgc agcagcaata gaaaaaagaa ataaaaacag tactttcaca      600
ggtcagtaaa atgtataaac ctctagctaa gctaactaag aaaaaaaaac acagattgct      660
gataacagaa atgagaaagg ggtcatcact actgatccca aggacattaa aaagataaca      720
aaagaatatt atgagcaact ctgtacccac agatttgaca gcttaggtga aacagatcaa      780
tttcttgaaa gacacaaaca accaaaactc acacagggaa aagagatgat ctgaataggc      840
ctatatctat tatggaaatt gataaattat ggaagtcaat aaacaacctt gcaaacaaga      900
aaaaaaaaa                                                              909
```

```
       <400> 469
agcccactgc taaatctgtt ttctgacaga tgggtttttgg ggagtcgcct gctggcacta      60
acatggagga aaggggactc ccattggccc ttcccttttc tcctaacagt ccctttggtc     120
tggtctgtcc tgggctgtct gtgtgtgtgc cattctctgg acttcagagc cccctgagcc     180
agtcctccct tcccagcctc cctttgggcc tccctaactc cacctaggct gccagggacc     240
ggagtcagct ggttcaaggc catcgggagc tctgcctcca agtctaccct tcccttcccg     300
gactccctcc tgtcccctcc tttcctccct ccttccttcc actctccttc cttttgcttc     360
cctgcccttt ccccctcctc aggttcttcc ctccttctca ctggtttttc caccttcctc     420
cttcccttct tccctggctc ctaggctgtg atatatattt ttgtattatc tctttcttct     480
tcttgtggtg atcatcttga attactgtgg gatgtaagtt tcaaaatttt caaataaagc     540
ctttgcaaga taaaaaaaaa aaaa                                            564
```

```
        <400> 470
cccccagcatt agaaaacatg gcacccaccc gtttccaccc acctagagca gcccctcggg      60
ctcctgtagg ccactgtata gcgcatagcc aatgtcgtca atctcctcct cacgcaagct     120
gctgaagagg ttcacgctgg ggttgaagtg gcagggcagg ctggcctgct ccaggctgcc     180
gatgagcagc tccagggctt gcaggaagcg ctcacccaag gcctcctccg tccaatccac     240
gttgtcctcc cccagacgca ggaccacctg ggtcaggtga ccccggccta gctgccccag     300
agccgagcaa ccacggcaga cagcacacag cagcagcagc agccgccggc gagtcccagc     360
gtcatggtcg tccagggctc gcagcctagc agcctccact ggatacaggt cctgcagcca     420
gaggttcccc gccagcccct ccaggggcca ggccaagagg aggcggtcgt cagcatcgac     480
cccagggact gccacaagca cagccacagt gagctccagg cgttcgtgct gcacctcgag     540
cagcagctcc tccgaggcca tgctgggccg gatcaggcac ccgagaaggc tgcccggacg  -  600
cgtggg                                                               606
```

```
        <210> 471
        <211> 394
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (66)...(369)
        <223> similar to gi2981631 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 471
aagagccaca gtggatccag gccctgatgc ctgagaagga gccagctagg cagagccggg      60
gaggagcact ccagacagac agcaatgaac catccaaaaa tgaagtgaag aagacaatct     120
catttataat attggcaaaa agaacatacc tagaaataaa tgcaacaaaa gatgcataaa     180
acttgtgtac tgaaaaatac aaaatatttt tgaaaggaat caaagagtat cgaattaaat     240
ggaaagatat cctgcagtca tggatcagga gacataatgt taagatggcc aaactcccga     300
attcatctat agcttcacaa tctctatcaa aatcccatct gtcttttac aagctgatcc     360
tcaaattcat aaggaaatac aagggtttca gaat                                394
```

```
        <210> 472
        <211> 1102
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (203)...(1067)
        <223> similar to gi2981221 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
    <400> 472
acctttgtca gaaaagatca gggagattaa aacaagaagt gctatgtatc aaaaacacga      60
attgttagaa aacaagccat gtggttaata aaaacaaaga cctaggtaca aacccacaga     120
ggctttataa acaacgtacg gggaaaaagc aaaacaaggt gtggttatta caacaccggt     180
ttgatttaca aaaaggaagc ttcaattacc aaacgggcgg gtagttaaaa caagcccttg     240
gggtaacccc caccactgcg gcgctcattc tccaggtaca actccagcaa cagcaggtcc     300
acagaggcac catcccccac cacacgcacc gctcgggcct ggggaacccg ggccagggac     360
accaaggtcc cctccaggcc cagattctgg gcctgctcct ccaggacacg gacatctgcc     420
tcagaaaggg gcttgggcaa ctggaccaga gcccggtctg gccggggggct ggccaaggca     480
cagcaaggct gtactgggag ccccgaggcc cgcagcaagg cctggacatg ctgctccaag     540
cgctggggcg tggtgccagg gggcagtcct tggagcagca ggcgtgcagg ggctcgtggt     600
ggagctggcc gcaggctcag ctgggcacca tgtagttcgt gatctgcctg ggccaagacc     660
ctctcggcgt ctgcaggctc tctgaaggtg aggacgcccc cacagcccag tctctgccag     720
ctcaacacag gtccccctcc agagcgtcgg cggttttcaa agtagagagt gagcagctcg     780
tcgggcacgg caggggggcag tccacggacc tccactgcca cccctgcctc tgcctccgcc     840
attgcaacca ttccccgtgg ccgctaggca gcctcaggcc atgagctcag ccaggactcc     900
tgtgcctgcc cctcagcaag cctaacccccc actggcaggc accggcagcc gatccaggcc     960
cgatccccccc accccggagc caggggccgt tgggccctgt tgttgggctc gcggggggtgg    1020
gggggctcgg gcctttgttg gtcacagatg gcccggggat ttcctgggaa tagaaatagc    1080
cgccggcacg aaatcgtcga ct                                              1102
```

```
    <400> 473
tttttttttt ttgagatata aaaatctgta tttatattac aatgacataa ggacacagca      60
cggcccacac ggtggacagg tggccggggg ccccttttccc cctctagcgc acgcccccct     120
caccggcacc taggcccctc gtgtggcccc ccgacttctg gcacggaacc tgccctagtg     180
cccaacatgg acctggggcc accctgctgg ccgagggtca gggtcctctg tgcaggcagt     240
ggggagggggg tcccaggttc cctgacagag ggaggcaggg cacggggggag cctgcctcac     300
ccagcggaca gcacgggccg gggcagacag agcagggacc ctagggccac agaccggtac     360
agggttcctc caccccgggga cacaggccca agccccgttg ccactaagat ggggtctgca     420
gaggcaaagc cttgctgcag cctctcccac tctgcgagga tggcgggggt ctgctatgtg     480
gtttgcaggg gttatcctgg tatgcgggag ctgccttcca ataaggctgg ggaacccaag     540
cctgagtctg ggtgctcagt ggccgagagc actggtgtgg gctgggaggg cacacgcaga     600
ggctcaggag ccccgggctc tgttctgctt ctgtctgctc tctatagaca cggtgatggc     660
ctcttggtcc ctgcagcctc cagtgatggc agcctgggcc cctgacaggg agcagtggga     720
ggttggagca tgtggtgact cctagcacgg gcccccaccc agtgggcaac ccctcaccca     780
cctgctgatg gcagggaggg gcagctgaac agcaccccgg gtggctgaga ctgcctccca     840
```

```
gtccacgtgg gaaccacggc ctcaagagcc acaggctgag ctgccgggag ggtgggctga      900
ggggccacca ctggtcaccg ggtggattct gctggtcaga gatgagagca gaagccccta      960
gctgcctcag gcactggagg gtggggcagg gagctggtgc ttcaagaatt gagggcaggg     1020
acacgaccac ctcagggccc tgcagtgctg gctggggaag caagctttta cacacggccc     1080
gccttgctcg gaggtgccac ggtgtttgaa atgaagcctg gggggacaga ctcaggcagg     1140
caggggaagc tcctttctgg gcacccctgg accccagtgg ggccggaagg agatgcagac     1200
aggcctcctc acaaccaccc gcaacgcgtt cggatgcccc tcagctccag gcaccatgcc     1260
ccctacagcc tgcagggcag gttctgtgcc agagttgttt ccagggaccc ccttccgcca     1320
cagtgggccc cccatcctgg ggcgtctatg cgtacgactg aaaatagaca cgaattttcc     1380
ccatgatatg ggaattggct acagatgtac cagaggcacg gcaggcactg ctatgggcca     1440
gccccaagga cagaggacgt caggaaggaa aggcgggtgc aagcctcctg gtgccaggcc     1500
tgcaccaccc agcgagcaca gtcttcattg gctgccagtg tctgaaacct ggaaccctcg     1560
cctaggccag gaagcagggg gctcgagtca ggtgacaggt gagaatccat ctctctagtg     1620
agcaagcagg cccctgccag ccactgggga gggcaacact ggggaccagg tcatagcccc     1680
tccgtgccac ccacaggggc ctggctgcat cgcctccagg aagccctggc tgccgggagg     1740
ggctgcccac aggagatggg aggacagcac tagctgggca ggcctggggc accctgagcc     1800
acgagggaca tgctggtggg aagggcaagg cctgacacaa gacacaaggc acactttgac     1860
gacgtgacgg agggacaggt ccctgagacg cctgggtggc tcccacccct cagcaaacaa     1920
ggacgcaaca acagctagga aaatag                                          1946
```

<210> 474
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (117)...(839)
<223> similar to gi2388986 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 474
```
tccccagaga tagccctggg atccaggtga ttcgagatgg gctataggaa ccaaggcctc       60
ccccagcgtg aaattaccag gtgtgagcgg cgccacccca ctgtggggag gcgggtccca      120
cgggcactgg gcacctggct gtgcctcatt cctgagtctc ccacagcctc acaccacagc      180
aagagacaag gcggccctga ttcacagccc agctctgccc tgtgccaacg cagagccctg      240
ggcgcaggac ggggccactc tgtgccttag cttcctcagc catgaagtag gatagacggg      300
gacccggtgc cctcctacag gcacagtggg gagggaacac accatcgggg cgcaggacgc      360
gaacgctcca agcctgtctg tcccggctgt tcccactgca cgccagagag ccagaggcct      420
tggggccagg tcactgccca gctcagagcc cagggagccc cgagcagtgg ccctgcacct      480
cctgccactt ctgggtgatt ctagaggagt ccccttaccc agggcccctc tggcctctcc      540
ccaaggggca caaaacggcc cccgagaaag ctcccagact caagcctatg actcttcaca      600
gcctcctgag acactggccc agtcccgggg ctccctgtgg tagggcccta catcccacga      660
gggtttggag gggactgaca atggggggtct ggctgcccag ccttgtgagg agctctcccc      720
atctgcccag cccgtggccc ccaagccgtc tctgccgaac tccatcagtg acccagttgg      780
agaaaggcca gcttgacaaa tgctctctgc gggacaagca ggatgagtgg gcgtttcta       839
```

<210> 475
<211> 2249
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(1719)
<223> similar to gi3644026 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 475
```
ggacgaaggc gtctaccagt gcatggccga gaacgaggtt gggagcgccc atgccgtagt      60
ccagctgcgg acctccaggc caagcataac cccaaggcta tggcaggatg ctgagctggc     120
tactggcaca cctcctgtat caccctccaa actcggcaac cctgagcaga tgctgagggg     180
gcaaccggcg ctccccagac ccccaacgtc agtggggcct gcttccccac agtgtccagg     240
agagaagggg caggggctc ccgccgaggc tcccatcatc ctcagctcgc cccgcacctc      300
caagacagac tcatatgaac tggtgtggcg gcctcggcat gagggcagtg gccgggcgcc     360
aatcctctac tatgtggtga aacaccgcaa ggtcacaaat tcctctgacg attggaccat     420
ctctggcatt ccagccaacc agcaccgcct gaccctcacc agacttgacc ccgggagctt     480
gtatgaagtg gagatggcag cttacaactg tgcgggagag ggccagacag ccatggtcac     540
cttccgaact ggacggcggc ccaaacccga gatcatggcc agcaaggagc agcagatcca     600
gagagacgac cctggagcca gtccccagag cagcagccag ccagaccacg gccgcctctc     660
cccccagaa gctcccgaca ggcccaccat ctccacggcc tccgagacct cagtgtacgt      720
gacctggatt ccccgtggga atggtgggtt cccaatccag tccttccgtg tggagtacaa     780
gaagctaaag aaagtgggag actggattct ggccaccagc gccatccccc catcgcggct     840
gtccgtggag atcacgggcc tagagaaagg cacctcctac aagtttcgag tccgggctct     900
gaacatgctg ggggagagcg agcccagcgc ccctctcgg ccctacgtgg tgtcgggcta      960
cagcggtcgc gtgtacgaga ggcccgtggc aggtccttat atcaccttca cggatgcggt    1020
caatgagacc accatcatgc tcaagtggat gtacatccca gcaagtaaca acaacacccc    1080
aatccatggc ttttatatct attatcgacc cacagacagt gacaatgata gtgactacaa    1140
gaaggatatg gtggaagggg acaagtactg gcactccatc agccacctgc agccagagac    1200
ctcctacgac attaagatgc agtgcttcaa tgaaggaggg gagagcgagt tcagcaacgt    1260
gatgatctgt gagaccaaag ctcggaagtc ttctggccag cctggtcgac tgccacccc    1320
aactctggcc ccaccacagc cgcccct tcc tgaaaccata gagcggccgg tgggcactgg   1380
ggccatggtg gctcgctcca gcgacctgcc ctatctgatt gtcggggtcg tcctgggctc    1440
catcgttctc atcatcgtca ccttcatccc cttctgcttg tggagggcct ggtctaagca    1500
aaaacataca acagacctgg gttttcctcg aagtgccctt ccaccctcct gcccgtatac    1560
tatggtgcca ttgggaggac tcccaggcca ccaggccagt ggacagccct acctcagtgg    1620
catcagtgga cgggcctgtg ctaatgggat ccacatgaat aggggctgcc cctcggctgc    1680
agtgggctac ccgggcatga agccccagca gcactgccca ggcgagcttc agcagcagag    1740
tgacaccagc agcctgctga ggcagaccca tcttggcaat ggatatgacc cccaaagtca    1800
ccagatcacg aggggtccca agtctagccc ggacgagggc tctttcttat acacactgcc    1860
cgacgactcc actcaccagc tgctgcagcc ccatcacgac tgctgccaac gccaggagca    1920
gcctgctgct gtgggccagt caggggtgag gagagccccc gacagtcctg tcctggaagc    1980
agtgtgggac cctccatttc actcagggcc cccatgctgc ttgggccttg tgccagttga    2040
agaggtggac agtcctgact cctgccaagt gagtggagga gactggtgtc cccagcaccc    2100
cgtaggggcc tacgtaggac aggaacctgg aatgcagctc tccccggggc cactggtgcg    2160
tgtgtctttt gaaacaccac ctctcacaat ttaggcagaa gctgatatcc cagaaagact    2220
atatattgtt ttttttttta aaaaaaaaa                                      2249
```

293

<210> 476
<211> 1346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1335)...(302)
<223> similar to gi2340084 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 476
```
tttttttttt ttttaatgga taactgaaat gtatggtttt catttataaa gtataagtta      60
tctttaataa cacacatgta caataaataa ttcatatatg aaaattctca tcagatagct     120
tcatgctttg atcagtggaa gaagccacag caccagggaa atcagaaggc aatcttagta     180
aatcttctac ctcttcttgc agggcttctg ctttttcatg caacaggcat ctttgctgat     240
gaaacaattt gcttggcttg gcgatcttga taaatgatca attgtcctta cgaggcactt     300
caggatttgc attagctaag tgcattagac ttttgtaacc tgcactggta taactgtttt     360
tggctcggac cctctaaaac tccagtaact tccatgagag ggattaattc tgcctttaca     420
cagtaagtca gcttcttggt aagttctacc aaaagggctc tgtaaaccca aaactcctca     480
agctcctcac agaaatgtaa cacacaagat gagaatgagg cagttccagt gagaagattt     540
tgtatatatc ctcgaggcat attaaatttt tcagatacag tccaaatgtt ggtctctttg     600
agcaaggtat aaagaacaaa agacagatat agcctgttga caacgttctt gtccaccttc     660
tttccgatgg cttggcctga tgctttcttc ccaataaagc tttcagagac tccaagaatg     720
gcagctacat tttgttctgc tggactgagt tggctaaact gcctgaagta tatcatccaa     780
tcagggttac actgtgaaac cagatcatag ggggttgtta ggtagattag atgaagaagg     840
ctttcaagca caagtccttc aagacctttc ttcaagtctc tgtacagaat gtcacaataa     900
gctaaatcta tagttccctt aaatgaagca cgtcccaact ttgtaatatg aaaattatat     960
tggacctctt cttcagactt ataaatagtg tctttttgta ggagtccttt ttctgtcagg    1020
tatctaagtg attcaacagt tatttcccag agactttttt cttttcaataa aaccttttgc    1080
tgaacaccaa aaaatgtacc attcatgaaa tgatagatgt catcaagatt cgttgcaatc    1140
ttcaaaccaa tcaaagagag aaataatgtt tggattccct tggtgaattc ctgaacaaga    1200
tggctgtaac agttttccaa tggtttagtt attaactcca atacctgttg tttgtctttt    1260
tcttgcaata tgaggatact ctccccaata gtatctattc cagcacgacc agccctcgtg    1320
ccaagctggg cgtaataatg gtctca                                         1346
```

<210> 477
<211> 1603
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (567)...(1603)
<223> similar to gi2388555 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 477
```
tgtcagcagc tatcaccaca aagacagccg ctctcagggt ttgccaagaa ctcaagagtg      60
tgccaggccg gagctgaggc ccctcctgtg ccccagggcc ctgtggccgg tcacacggct     120
cagctacaga tgcccgtggc aggcgccgaa agcaggcatc ggaacgaagg ccaagccgtc     180
ggagtctcac ctaaaattgc atcctggatg gccctctctg gatcgtcaag gtgaaccagc     240
aactctcggt acaggtactg gacactgctc tgatagtagg attttgcgtt ggcacccttg     300
acacactgca gccaggtgac caaggtggag gcggctgcca tcctcacatc gttggacacg     360
tcatctaggc gttttaagag ttcaggataa atcttgatga gtttctctgg atccgtcatg     420
ccgcccgagg tttttaagaa cgtgttgata atacggcatg agatcagtcg cgtcatcttc     480
gaatcctcct ccagggtggt caggacctgg ggcatcagtg tttcctgcac gtcccgtatc     540
tgctctgccg acaggacctc gctgctggtg agcgcccaga ggcaggacac ggcagccgtg     600
cggatggccg cggctgtcct ccccgcatgc cactgcagat tgggggccag gatgtccttt     660
gtcaccgtct cgaggtagct gggaaactgc ccctgggagt tgatggtgtc cgtggctctg     720
agcagcacgg tggacaggat ggagaacagc ttcaggcgca tctgcgggtc ttgggagggc     780
tgcagacagg ccctcagcgt gggcacgacg tgtggcaggg cttctcccag ggcagggcct     840
gactgtgcga cgatgacact gaactgcagg agctccggcg agtgtgcggt ccagtcaagg     900
tgcgacgcgg tcacccgctc caggagggga ccaatgtgct tgcggtagag gtcctggcag     960
ctgctgacac cctccaccat ggccagtgag tccatcgtct cctgtgcctt gtccctcagg    1020
ccggtagcac ctgcgagggc cactattgtc agcagcacgt ccaagagctg caggctggcc    1080
acgccacagt cctcatgaca cacagacacc agagcctgca cacacagcag caggcgctcc    1140
aggtagaggt cgttttcaga tgcctggcag atgtgggcct gtgccagctc tgtggcgatg    1200
gctgccaggt gcggctggag ggcttctcgg gggcaacccc gcatggcgga ggccagcacc    1260
aggaggccgg aggcagaggg cgtcttcttc agcgtcgata agatcagctt cagaaacacc    1320
tcagggctga caaacgtccc gacgagctct gcggatctgg tacaactttg gaccacggct    1380
gcctcctcgt cggtgcaggc ctggaacagg gtccggagga cgacctccag gtgctgcgtg    1440
gcgtggtcct cggcatgcag cagcagcact gggagcagct gtgccgactt cactcgggtc    1500
cccaccaccc agtcggtgat gtcgtggcac agggcaggga ggatctggag aggttcctga    1560
agacgagctc ccggcagccc gaattccacc acactgcact gtg                      1603
```

<210> 478
<211> 967
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (952)...(31)
<223> similar to gi3873550 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 478
```
cggccgccct gggagcgagc ggaggagcaa gcgccggaga tgatgacttt gaccagtttg      60
ataagcctgg cgcggaacgg tcgtggagaa gaagagctgc tgatgaggac tgggacagtg     120
aacttgaaga tgatttactt ggagaagatt tgctatctgg caaaaagaat cagtcggatt     180
tgtcagatga agagctaaat gatgatcttt tgcagagtga taatgaagat gaagaaaatt     240
tcagttctca gggtgttaca attagtctga atgctacatc tggcatggtt acatcatttg     300
aactctctga caacactaac gaccaatctg gagaacagga atctgagtat gaacaagaac     360
aaggagagga tgaactggtt tatcacaaat ctgatggatc agaattgtat actcaagagt     420
```
```
295
```

```
acccagaaga aggacagtat gaaggccacg aagctgagtt gacagaagac caaatagaat      480
atgtggaaga gccagaggag gagcagcttt acactgatga agtgttagac atcgagatca      540
atgaaccttt agatgaattt acaggaggta tggaaacatt ggaacttcaa aaggacatcc      600
aaagaagaat cagatgaaga agaagaagat gatgaagaat ctggacgatt acgtttcaaa      660
actgaaagga aagaaggaac aattattagg ctctcagatg taactagaga gagaaggaac      720
attccagaaa ctttgggtaa cttttttgcc tgtctcccat cctcctttac tctcatttca      780
acttcctcca tagtattgct gtaattaatc aaagtaggca aagaaggttg actaggtaat      840
tgcggctgcc gtccggagag tggccggact ttggagtgag tgctgtttat ggtactgtaa      900
aactcattct ttaaaatcat tgctgtttat ggatttaaaa tgcttgaata aaatgtttaa      960
gataatt                                                               967
```

         <210> 479
         <211> 783
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (14)...(743)
         <223> similar to gi59968 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters

         <400> 479
```
aagctctggg tgagctccag gaggtgccgc cgcagcaggg cgctctgcac atctgacggc       60
cgcttcttct gcacgccctg caggggagag agggccaggc ccttgctgcg cttcacacca      120
caccaggctc cctgcgtccc cagccctgc cccacaaacc atataccttg agcagccgtt      180
tgagcagcgc cttgtcgcgg tggaggtggg ccgtgtaagc ggtgtagagg cctggcggga      240
gggcacagct ggcgccccac ccttcaaggg cctccctccc acactcctgc agccccacag      300
aggagccagg gtgggggttt catctgcctg cagccccatg cccttggctg cacctgaaaa      360
tctcacccac ccaccccca gacaccgaga cccactgaag agaagagagc gacccctccc      420
caagggttct gagctctgct gctgagtcct ggaagaggat caggggtctg ggggcctggc      480
tgccccaccc gagagacccg ccaggtacaa gacaggcctc tccacggtgg aggggctcca      540
ggtcgagggg agcacagacc tggcttggtg tccagggtct tcaaccttga aggcttttttc      600
agcttgactt gcttaggcag gtctcctacg agacacgccc ggtggccagg cctcagtgcc      660
cgcagctctg gccatcccca cgggctttga ggcggcccca cactcaacga ggcttttgag      720
cagcaccccc tgcacctcac cgggagcctg acctgacatc ttgggctccc cgactcggag      780
gcc                                                                   783
```

         <210> 480
         <211> 449
         <212> DNA
         <213> Homo sapiens

         <220>
         <221> misc_feature
         <222> (5)...(366)

                                   296

        <400> 480
tcgcttctgg attgtgattg atgagaaagt gtatgatata aaggacttcc agacacagtc   60
gttaacagga aatagtattc ttgctcagtt tgcagggaa aacccagtgg tagctttgga   120
agctgctttc gagtttgaag tcacccggga atccatgcac gcattttgtg ttggccaata   180
tttggagatt gatgatgaag tttattttc cagcctgacc aagaagttgt caccatacca   240
gatccgggaa gtctctcttc acctctgata gacacagaga ggaatctggg cctgcttctc   300
ggattacaca cttcctattt agcaatgagc acaccgctgt ctcctgtcga gattgaatgt   360
gccagtaaga aaatctttgc tttttgctga ttagcagatt attttttttg aactgtaagt   420
gccattaaga gtgggagagg gccaggccg   449

        <210> 481
        <211> 1033
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (148)...(1033)

        <400> 481
tttttttttt ttactttgga acgtttttaa taagaaaagt tttaaacaat ttatttttgg   60
caaaaacagg tagggcaacc accacccac agccctgaag tggaatagga agacttggaa   120
aagcacacga agagggcagg gacatgaggg tgtccatctt gtagcagctt ctgaggaaag   180
agctcagtcc caatggcaag tttcaagtcc acggggttga aacagccagg gatgccctcc   240
cagcccctg tggtgcctgg atccaggggc gtgaagctgt gcacgtgcct ccaacttgag   300
tccggccagg gggccccccc agcccgggcc acgcgccggg ctcagctcca tgggctaggg   360
gccagggcgg gccaggggct ccggggaagg agggcggggg cccggggcat gctcggcttg   420
ggcgagagct gtcatcccgg ctacagaaca gctccaccag gcgggcgaaa gagtcggagg   480
acaggcggac cagcttgctg cgcagggcgg ggtccgaggc cagcttctgg ttaatgactt   540
ctgcctcctc ctccagcagg gccaccagcc tccgcagtat ggcttccttc tctgtcgatg   600
ggggaccctg taattctggg ctgggcggag atttcagctg ctcttggacc agctgttcca   660
gccgctgggc caccaaagca tagaagtctg gagtagctgg gccaggctct aaaccatagc   720
aggggcggat gggcagagag caaggccgag gggactcaga gggggctgct cctcgcccca   780
gggagcaggg aagacatctt cgaaggcggc tcaggaagtc tgttggctct tcttgggcag   840
ggcttctagg tggagttgga acaggagacc cggcagcctc accacgccta aggaaggcag   900
ctaggaccct cagcgtgtct tcccggagcc ccagctcttc agagcctgcc atggaggcac   960
ctggtccggg gccccaccgc cgcctcctcc actcaacttg cggtctcctc cactgaacga   1020
attccaccac acg   1033

<210> 482
<211> 1054
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(834)
<223> similar to gi1209103 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 482
gtgcggtgga attccctggt gctctgggat ggtccttctc ttaggccctg aggggtgacc   60
tcggggccat tcccaggatg ggccttcctc actggtaccc cacccctctc ccgccaggca   120
tggccgcctt tgccaccgcc cacctcctct acgtctgggc cttcggcttc tctccctgc   180
agcccggcct gctgctgctc atcatcctgg ccctggccc ctacctcagc cttgtgctcc   240
agcacctcga gccggatatg gtcctgccgg tggcagccta tgggctgatc ctgatggcca   300
tgctgtggcg cggcctggcc cagggcggga gtgccggctg gggcgcgctg ctcttcacgc   360
tctctgatgg cgtgctggcc tgggacacct tcgcccagcc cctgcccat gcccgcctgg   420
tgatcatgac cacctactat gctgcccagc tcctcatcac actgtcagcc ctcaggagcc   480
cggtgcccaa gactgactga ctaggagct tgaagggccg gtgttcaggc cctctcctcc   540
tgcaaggacc tgggcctccc agcccagccc agcctgagaa ataccctcag cagcgaagct   600
tcctgacgcc tgtctgcagg cgccgctgcc gccgtcgctt ctggctgaag acgtttgagg   660
acgatttgcg gaattccaag tccactactg ggttccagct gccttccccc ggttctgact   720
ccagatccct ggctcctcag ccaggcccac atggagccct cccagccacc agcctgcctc   780
catgttcact gtcggcccca cagcctgccc gcccctgct gctgctctga atccgtttc   840
cctgtgggtg tggaaccgta gatgttgctg ttaccgtagg agaggcctcg gggagggtca   900
tcattgtgat aaaccatcgc ggttaatgac agcagaaggt tctttgtcgc tccccatgga   960
ccaggcctgg tgcccagtgg gaccctccat ggccctctgg tggggggccc cggggggata   1020
aagtgaggat tgtgcagaac tgaaaaaaaa aaaa   1054

<210> 483
<211> 557
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(558)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (84)...(421)
<223> similar to gi804788 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 483
acttggagaa tctgcaaaat agtagattac aaaggatcaa aagtcagtga ggttcaacaa        60
gaggtagggt gggataatga ccaaagacag agggaacact tccaggttca ttctgtgagg       120
tcagcaacac catgacctaa aagccagata aagaccctgc aagaaaaaca atacacaaaa       180
tacagatgaa aaggctggtg aatattgatg ggaaaatctt caacaaaatt ctagcaaacc       240
aactttcaca gcatgttaaa aggactgtac gccatgacca agttggagat agccctggaa       300
tgcatgtatc acccaaaaca ggaaaattaa tgtagtgcac cccattagca gaatgaagga       360
caaaacccac atgatcatct caactgatac agaaaaaaca ttggacaaga ttgaacacct       420
ttccnnnnnn nnnnnnnnaa aagggaccct cttttttgtgc cccacccgga agggcagggg       480
ggccgtttgg gttaatggaa attttggcct cccgtgaacc cggccggaat tcccaaattt       540
ataaatggaa aatccgg                                                       557




<210> 484
<211> 1040
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (101)...(1040)
<223> similar to gi30058 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 484
aacggcagag cctgactccc catctcccgt gctccagggc gaggagtcct cagagaggga        60
gagcctgcca gagtccttgg aactgagctc ccctaggtcc cccgagactg actgggggcg       120
gcctcctgga ggcgacaaag acctcgccag ccctcactta ggtcttgggt ctccgagggt       180
ctcccgggct tccagccctg agggtcgcca cctcccttcc ccacagctag gaaccaaggc       240
cccggtggcc cggccccgga tgagtgccca ggagcagctg gagcggatgc gcagaaacca       300
ggaatgtgga cggcccttcc ctcgcccgac ctcccccccgg cttctcaccc tgggaaggac       360
actgtcccca gccagacgcc agcctgacgt ggagcaaagg cctgtcgtag gacactcggg       420
agcccagaaa tggctcagaa gctctgggtc ctggagtagt ccaaggaaca ccaccccatta       480
cttgccgact tccgaaggtc accgggagcg ggttctcagc ctctcccaag ccctggctac       540
tgaggcgtcg cagtggcaca gaatgatgac aggtggaaat ttggactccc agggagaccc       600
tcttcccggt gtgccgctgc ctccttcgga ccccacgcgc caggagaccc ctccccccag       660
atctcccccg gtggctaatt cgggttccac ggggttctct cgccgaggga gtgggcgtgg       720
aggaggtccc acccctgggg gcccgcgtg ggatgccggg atcgcccctc cggtcctgcc       780
acaagacgag ggggcatggc ctctgcgagt cactctgcta caatccagct tctaatccgc       840
ccaaaagcgg cagccaatcg gagcgcgagg acgtggtctg gaggtaccgc cggagatctg       900
ggaccactca gggcatcagg gggcgtggtc tggtccccat tgcgggcccg ggaggggaat       960
ggtttctatg gccaaaagtt tggttttctc aacactgtct aaatttggat taaaactttt      1020
gaactttaa aaaaaaaaaa                                                    1040




<210> 485
<211> 1145
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (247)...(813)
<223> similar to gi533088 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 485
```
cccacgcgtc cgctgctgca cagacaccag gacttagaaa agctgctggc agcccaggaa      60
gagaagtttg cccaaatgca aaagacagag atggaacagg agctcctgct gcagccacag     120
gagctgaagc ccgggagagc tggcagctcg ctgacatcct ttcagtggag gccctctgga     180
caccagggggc taggagcaca gctggctgag acgagggacc cccaggatgc aaagggtacc     240
cccaccatgg aggggtcttt ggagttcaag cagcacctgc tgcctggcgg gaggcagcct     300
agctcgagct cctgggacag ctgccgcggg accttgcagg gcagctctct gagcctgttc      360
ctggatgaga ggatggcagc ggagaaagta gcttccatag ccctccttga cctcacggga     420
gcccggtgtg agaggctgcg gggccgccac ggcaggaaac acacattctc cttaaggctg     480
accagtgggg cagagatcct gtttgcagca ccgtccgaag agcaagctga gagctggtgg     540
cgagccctgg gcagcactgc agcccagagt ctgagcccaa aactcaaagc caaacctgtc     600
agctctctga atgagtgcac gaccaaggat gcccggcctg gatgtctact caggtctgat      660
ccctgaggtg aaccccagtg caacaccaaa cttcaggggc acaagcgagg acacatctaa     720
gggaccagaa taagactcag ctacaggcaa aagggctcct tcccgtggct gcttcaaccc     780
agttccccag gcccagcttc tggaatagac agttccttct ggttagatgg gtcctaccat      840
gtggcaggaa acagccattg cctggcctcc ccctgcattc ctgtctgggt gaagaggaga     900
cgtgttacgg cagagcaggt gggcaaggcc agggctaccc caggcccatg tggcctcctc     960
cttgcttgga aggggtgact ctgagcacag gtagacgcag acgtgtgcag agaatgtgct    1020
cttcggagga agaacactga tgagcgagct ctgtaccagc ccttgtcatg tacagccaag    1080
agcctagaat gacatggccc ttctcagcag taataacaga tggtctcagc gcctcaaaaa    1140
aaaaa                                                               1145
```


<210> 486
<211> 694
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(687)
<223> similar to gi2072948 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 486
```
tcgtaaaaac tcacttcacc tgtaaagacg cataaagact gaaagtgaag gaatagtaaa      60
atatatttca tgcaaatgaa aaacaaaaac aagcacgagt agctatagtt gtatcaggta     120
aaatagactt taagaatggt aaaaacaaca aacaacaacg aagatgatca ttatataatg     180
acaaagagat gaattcagca agaggatata ccagttctaa atatatatgc atatgcgtca     240
```

```
ctggtgcaca gagatatata aaggaaatat tatttgacct aaagggtgag atagactcca      300
acacaataat ggttgggggac ctcaaccatt gtcagcatcg gacagatcat gtagacagaa     360
aataaacatt ggattgaaac tgcgctttag accaaattgg cctaacagac atttacagaa      420
cattttatct aacagctgga gaatgcacat tcttttttatc agcacatgta acattctcca     480
ggatagacca tgtgttaggc cataaaacaa gtctcaacaa aattttaaaa atagaaatta      540
tatcaagtat cttcttagac cacaaaggaa aaaactagaa ttcaataaca agaacaactt      600
tggaagctgt acaaatacat ggaaagtaaa caaaatgctc atgaccaact attgggtcag      660
tgaagaaatt atgaaggaaa taaaaaaaaa aaaa                                  694
```

```
        <400> 487
cccagcccct ggaccagggt actgaccacc tctccgcccc cggccccggg gtcctgacca       60
cctctccgcc cccggccccg gggtcctgac cacctctccg tccccggccc cgggttcctg      120
accacctctc cgccccccggc cccgggggtcc tgaccacctt tccgtcccca accccgggggt     180
cctgaccacc tctctgcccc cggccccagg gtcctgcagg cagggctgga ggtggagcgg      240
ctccgactgc ggaatttcta tcaccactac cactccaaga ggggcatgtg gagcgtccgc      300
agcaggaagg gctctcgcac ggggggcgtct tgaggacggg cagcccctcc cagccccggt     360
gggagtcccg aggcagctgc tggggggctgg gctttgagct cggtcccgag agacccggca     420
gggctggtca gaggggcaca gccaccgcct gtgcctgccc ctctctggcc cactgggcgt      480
cgtgcccctc cccggagagg cagccttcac ggcgggtcag ggcctggcct tggtccccac      540
tctgcgatga tttctgtgaa attttgctgt agcgatgaca ttgttttcag aatttccaag      600
agttctgtct gttctgtttt ttattcagaa tgaaatgaaa tatttttttt agttctgaaa      660
aaa                                                                    663
```

```
        <400> 488
cccgggtcga cccacgcgtc cgagtggaac acatgactgt ctacgagaaa gatttcatcc      60
caagcagttt ctattacaag aaaggagggg ttgtctctcc tttgacttta gtggctgacg     120
aaggctggtt cataactgag aatcgagaga tgcttccgtt ttggatgaac agcaccggca     180
ggcgggaagg ttggcagcgt ggatggcacg gctacgacaa cgagctcatg gacatgcggg     240
gcatcttcct ggccttcgga cctgatttca aatccaactt cagagctgct cctatcaggt     300
cggtggacgt ctacaatgtc atgtgcaatg tggtgggcat caccccgctg cccaacaacg     360
gatcctggtc cagggtgatg tgcatgctga agggccgcgc cggcactgcc ccgcctgtct     420
ggcccagcca ctgtgccctg gcactgattc ttctcttcct gcttgcataa ctgatcatat     480
tgcttgtctc agaaaaaaac accatcagca aagtgggcct ccaaagccag atgattttca     540
ttttatgtgt gaataatagc ttcattaaca caatc                                575




        <210> 489
        <211> 1080
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(1081)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (58)...(1080)
        <223> similar to gi200541 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 489
aaggtcaggg gttttgtcag tttcattcac tgctgaatcc ccagggcctg actgcggccc      60
atgggaggtg cttaataaag gttaacaaat gaatgaaggg gacncctgga gcctggagag     120
aagtgagtcg ctcaaggtca tagccatcca gaatgaatga ctttcatctt agaacgaata     180
aagcaccgag tccacagctc cagcccaagg tccttctcac agccgtgcca ggtcctggac     240
ctcaacccca ggacagagcc aagggatacc ccaacctcag ggagtgcctg tcaggctctg     300
ccaggactgg agtgctcaca caaccaagtc aggggggccac atggaagagg agcaggaacg     360
gtggaagcca aagcagccat ggccaaggcc aggagccatc tcccctccca cccctccagc     420
tgcctgagtg caggcatgac agacagcggc tgggcccaga agccgactc tctggggcca     480
ggggagaggc ctgcagttcc catcagaaga gcagaagacg cagagctgct gcgggttgcc     540
ccagcaccaa tgggagcttc cctatggccc atgcttcctt cctggtgttg gccccaaccc     600
agcagagagc atcctggcca agtccaggct ctgccacctt gcgccctctg gtggccacat     660
tggttagtgc cagaggggaa cccaggatct ccccccagccc ctcccaggcg gttcctcttc     720
ccctaagcca gggtttcagc tgcacaagag atgatccaaa gggccggggg acatcagcag     780
cccttggact ggctgggccc accctgacca gcaaggtgag gctggtaatg acttcgggga     840
tgaccacatc agccccaaca ggtgagcact cactgtgagc cgggctcagg ctaggccact     900
ctatcaccat ccagccacaa tgaccgaaga gtagattaag gcccaggaaa gggatggcac     960
ccacccaaga tcacccagca cagaggtgat gctggatcgg cctgactcct cacctgtcct    1020
cccctctctg tccctccaat tgctcaacca tagatcagga agcctcctcc caggccagct    1080
```

302

```
<210> 490
<211> 611
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(611)
<223> similar to gi200549 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


     <400> 490
tttcgtgcct gcagcatgga gggtccccag cggggccctc cctggttaca cgccaaggcc      60
ctgccccacc ccgccccaga ctgaaccgag agcacacgga gatctgcgag atggactggt     120
cggacaaggt ggaggcctac aacctcgaca agacttgcgg gcgccaccac agccagagca     180
ccgaggtgca ggctcatccg gcactccacc acctttcaag agagggggc cccagctctg      240
ccccgtgctt gccctggctg tggtctcgcc tccctctgcc tgggggcccc agcggcactg     300
cttccccag cctggcccag aggccctcgc ccccgagggc acttgggcaa ctgtctgccc      360
ctggcatgag aaagcgtgca agacctcctc aagtgcccag cgcgtgcaca gcctggttgc     420
ccgtagacag gacagggtgg gatgcggtca gccccaggtg ccggcaggat tgcatttcca     480
ccgaaggcca gcagagggag cacgaccacc gcccacttga gcatggcaaa ctcctggccc     540
cgcagcgcct ccaccccaga gacccggacc aagttcacac aggacaatct gtgccgtgcc     600
cagcgcaagc g                                                         611



<210> 491
<211> 1525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1518)...(760)
<223> similar to gi3047240 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



     <400> 491
gcacactgca ctgcccatcc tgtatgcagg ccttgggccc aacctgagac cacctgatgc      60
atggacgccc atcccgtgct catcatctcc gccagaccct gcctgggggtt ctgcagggta     120
cccacctgag ccccagttta cctgtgtcag cccaaccacg gccccagtcg acctccctgc     180
tggccctggg agacagctct ctttcttccc ctaatcctgc aagtgctcat ttgccctggc     240
actgtgctgc ctgtgccatg ctaaatgagc cttgggcagt gctctgtgtg gcctgtgatc     300
ggccccgagg ctgtaagggg ttggggttgg gaactgaggg tccccaagga actggaggcc     360
tagaacctga tcttgcacgg ggtcggtggg cctgccagag ctgtaccttt gagaatgagg     420
```

```
cagctgctgt gctatgttcc atatgtgagc gacctcggct ggcccagcct cccagcttgg    480
tggtggattc ccgagatgct ggcatttgcc tgcaacccct tcagcagggg gatgctttgc    540
tggcctctgc ccaaagtcaa gtctggtact gtattcactg taccttctgc aactcgagcc    600
ctggctgggt gtgtgttatg tgcaaccgga ctagtagccc cattccagca caacatgccc    660
cccggcccta tgccagctct ttggaaaagg gacccccaa gcctgggccc ccacgacgcc     720
ttagtgcccc cctgcccagt tcctgtggag atcctgagaa gcagcgccaa gacaagatgc    780
gggaagaagg cctccagcta gtgagcatga tccgggaagg ggaagccgca ggtgcctgtc    840
cagaggagat cttctcggct ctgcagtact cgggcactga ggtgcctctg cagtggttgc    900
gctcagaact gccctacgtc ctggagatgg tggctgagct ggctggacag caggaccctg    960
ggctgggtgc cttttcctgt caggaggccc ggagagcctg gctggatcgt catggcaacc   1020
ttgatgaagc tgtggaggag tgtgtgagga ccaggcgaag gaaggtgcag gagctccagt   1080
ctctaggctt tgggcctgag gaggggtctc tccaggcatt gttccagcac ggaggtgatg   1140
tgtcacgggc cctgactgag ctacagcgcc aacgcctaga gcccttccgc cagcgcctct   1200
gggacagtgg ccctgagccc accccttcct gggatgggcc agacaagcag agcctggtca   1260
ggcggctttt ggcagtctac gcactcccca gctggggccg ggcagagctg gcactgtcac   1320
tgctgcagga gacacccagg aactatgagt gggggatgt ggtagaagct gtgaggcaca    1380
gccaggaccg ggccttcctg cgccgcttgc ttgcccagga gggtgccgtg tgtggctggg    1440
gcccttgccc aacaaaccgg atgcaggccc tgacttcctg ttgagtgcac catctgtcgt    1500
gactgcttcc gccaagactt gacag                                          1525
```

<210> 492
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(424)
<223> similar to gi2197085 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 492
```
caaaacattg ctgaaagaaa tttttaaaga catcctgcat tcatagactg gaagacttga     60
tgttgttaac atgattatta ctacccaact taatctgctt gccccacgca attcttctca    120
aaatcccaat agaaatttct gcagaaatag aaaacccatc ctgaaactca catggactct    180
caaggaatcc tgaatagcca aaacaatttt gaaaagaac aacaaagtta taggactcat     240
actttcaatt ttaaaactta ctacaaaggt atagtaatca aaacaggatg gcactggcat    300
aaggacagac atacagacca atgaaaaaaa ctcttactat atagtcaact gatttttgac    360
aagaatgaca agactactca atggggaaag acaatctttt caaaagatg gtgctgggga     420
aac                                                                    423
```

<210> 493
<211> 650
<212> DNA
<213> Homo sapiens

304

<400> 493
caaatgtaat gagtgtggca aggtcttcac tcagaattca caccttgcaa gacatcggag   60
agttcatact ggaggtaaac cttaccagtg taatgaatgt ggcaaagcct ttagtcaaac   120
atcaaagctt gcaaggcatc agagagttca tactggagag aaaccatatg agtgtaatca   180
gtgtgggaaa gcctttagtg tccgttcaag cctaactacc catcaggcaa tccatactgg   240
aaaaaaacct tacaaatgca atgagtgtgg gaaggtcttc actcagaatt cacaccttgc   300
aagacatcgg ggaattcata ctggagagaa accttacaag tgtaatgagt gtggcaaagc   360
ctttagtcaa acttcaaaac ttgcaaggca tcagagaatt cataccggag agaaaccata   420
tgagtgtggg aaacccttta gtatctgttc aagcctaact acccatcaga caatccatac   480
tggtgggaaa ccttacaaat gtaacgtgtg gaaagttcta aagtcagagt tcaaaccttg   540
caagccatca cagaattcat agtggagaga aaccttacaa atgaaggtgg taactttttgc   600
agttagaatt cattcctttg acaacgtcag agaatttatg cctgagagat   650

<210> 494
<211> 725
<212> DNA
<213> Homo sapiens

<400> 494
cccacgcgtc cgcccagagt gcctgtcagg cggtggcact gtcatcgcat ttgataaagg   60
ccaaactgag tctgggagag aaggggctgg ggccacgcaa aatcagggca gggctggggc   120
caaaatgcct ggagagacag agtctgagag atacagagat ggccagagac agatggagag   180
agacagataa cagagagata cagagacagc cagagacaaa tggagagaga gacaaatgga   240
gaaagagagc cagagacata cagaaagaca gagacactag agtctgagag atacagacag   300
acacagagac agccagagac agatggagag agacagagac acaaagagag ccagagacac   360
agagagtctg agagatacag acagacacag agacggccag agacggagag agacagagac   420
agacagacag agacacagag agtctgagag atacagaaac agccatagac aggtggggag   480
agagacatga acagagccag agacatacag agagacagag acacacagag agacagagac   540
acggagagtc tgagagatac agagagacac agagacagtc agagagagac agagaggccc   600
cagggcatcg tggctaaggt tgggctcccc tactccacag cctccaggag gggctgaggt   660
ctggaaacat gggcgggggt gggcccgcgg tgagaaaggt ggaagaatgt ctgcaactca   720
ggcgg   725

```
<210> 495
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(513)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (75)...(496)
<223> similar to gi575322 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 495
cggcccnaaa tgagacctat ggaagngcgg tggaaatcgc gcgccccgag cccccgcgcc      60
atgaagctcg ccgccctcct ggggctctgc gtggccctgt cctgcagctc cgctgctgct     120
ttcttagtgg gctcggccaa gcctgtggcc cagcctgtcg ctgcgctgga gtcggcggcg     180
gaggccgggg ccgggaccct ggccaacccc ctcggcaccc tcaacccgct gaagctcctg     240
ctgagcagcc tgggcatccc cgtgaaccac ctcatagagg gctcccagaa gtgtgtggct     300
gagctgggtc cccaggccgt ggggggccgtg aaggccctga aggccctgct gggggccctg     360
acagtgtttg gctgagccga gactggagca tctacacctg aggacaagac gctgcccacc     420
cgcgagggct gaaaaccccg ccgcggggag gaccgtccat cccccttcccc cggcccctct    480
caataaacgt ggttaagagc aaaaaaaaaa aa                                   512


<210> 496
<211> 802
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(533)
<223> similar to gi1009337 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 496
catagggaga agtgttcatt attggaagaa agttttgcca ttgttgaaga taataaaaaa      60
gaagaacagt attcctgaac ctattgatcc tctgtttaaa cattttcata gtgtagacat     120
tcaggtaaca gagttccttt atgaatttat tggagatggg aatttccagt ttataaacaa     180
agacatggag ctatacactg cttaaattaa ttgccttgtt atttaacggt aatcttgttt     240
tctaaattca ctagctctca cagataagat atgacagaga agagtaatga gatgtttgtc     300
tcttaagatc atataaaatc tttggaaaat catttgggtt ttatattctg agtataaaca     360
```

306

```
atttgactaa aaactattct gtgtgtttag gcatcagaaa ttgttgaata tgaagaagac    420
gcacacataa cttttgctat gttggatgca gtaaatggaa atatagaaga tgctgtgact    480
gcttttgaat ctataaaaag tgttgtttct tattggaatc ttgcactggt aagtagatgc    540
agtacttgag ctaaaagttg tatttatttta tttattattt tttttaaaag acggggtttc    600
tctgttggcc aggctagagt gcagtggcac aatcttggct cactgcaacc tctgcttccc    660
aggctcaagc gattcttgtg cctcagctcc cgagttgctg ggattacagg catgagccac    720
catgcgtggc caagctgaaa gttttttgtt ttaaaaagct tatggattca tggaagccct    780
tattgattag attttcacag ga                                             802
```

```
        <210> 497
        <211> 622
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (146)...(452)
        <223> similar to gi1469195 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters
```

```
        <400> 497
ccacatggta aatcttttttg gctttgtggg ccacataaag tctctgttgc atattctttg    60
ttttgttgct ttgtttcttc cacctttta aaaatacaaa gccattctta gcctacttgc    120
aggctggatt tagttcattg gtttacttgt tgattcctgg tatagcacaa ggaatttaca    180
tgtttggaat tgttttttgtg tcttctggga taaggggggaa gaggaagatt atatcttgtg    240
ttttgggcat gtcacactag aaatagttcc tttaaggtga tgattttttcc ctccaacaga    300
ttaatgctga actgttgttt cggccaactg ctctttcaac tccaagcttt tcttctccta    360
aggaaagtgt tccaagaaga catctttcag aaggaacaaa ttcttatgcg acaagacttc    420
taaataatca tcaagttccc acctcagtct ggaacctggg gagccaacag ggtcagtggc    480
taagattggt tttccatttg gggaatatta aacagagctt ttacttgaca cttctgtgac    540
agtgatgcca attcgggatc attgtaggtt ccattgtgga attgtaggtt ccatgaatgt    600
gaaaatcttc aggacaattg tt                                             622
```

```
        <210> 498
        <211> 307
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(308)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (1)...(307)
```

307

<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 498
tttttttttt ttgaaacgga gtctcactct ggtgcccagg ctggagggg ccccattttg   60
gttcactgaa agctccgcct cccggtttaa tgccattctc gtccttcagc ctcctgaggg   120
gctgggatta caggcgcccg ccaccacccc tagctaattt ctttgtattt ttggtagaga   180
cggggtttca ctgtgttagc caggggtggg tctcaatctc ctgacctcat gatccttccg   240
ccttngcctt cccaaaagcg gtngggatta caaggngtga caaaccttcg ncccggccaa   300
tncactg   307

<210> 499
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(398)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 499
cactgtcgtg gtattccaca cagcattgcc tctgaacaag atacttactt tatggctaaa   60
gaagtgtggc agtgggctca tgctcatgga attcactggt cttaccatgt tccccatcat   120
cttgaagcag ctggattgat agaacagtgg aatggccttt tgatgtcaca attacaacac   180
caactaggtg acaatacttt gcagggctgg ggcaaagttc tccagaaggt tgtgtatgct   240
ctgaatcagt gttcaatata tggtactgtt tctcccatag ccaggattca tgggtccagg   300
aatcaagggg tagaagtgga agtggcacta cttaccgtaa cgcccaatga tccactagca   360
aatattagct tcctggtcct gtgacattac attctgatag g   401

<210> 500
<211> 371
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(372)
<223> similar to gi1780976 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

308

```
    <400> 500
gtggtttttgg cagtactgac agtgaaggaa aagcagccta ttgagtaaat caagcttcta      60
aacagacctg tgtgcacaat gattcaggga aaacagtttg aaggactggt agacacaggt     120
gctaatattt caattatagc tctaaatcag tggccaaaag cgtggccccg acaaaaggct     180
tctatgggct tgattggagt aggcacagca tctgaagtct atcaaagtgc tacaatttta     240
catcgtttaa gaccagatgg gcaggaagtc accatccaac ctatgattac tttcattccc     300
attaatttgt aggggagaga tttgttacag caatggggta cagaaatcac cattccctct     360
gcaatttaca g                                                          371
```

```
    <210> 501
    <211> 1169
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (120)...(1169)
    <223> similar to gi3002527 in the genepept database release 114,
         Run with FASTXY 3.3t00, default parameters
```

```
    <400> 501
cctgcttttt aattttctga aagagacagt acagacttgg tatcatttct accttaagta      60
tctcgaaaaa tgcacatcag tgaatccatt tggtcccggc acttttttttg gaaggtttta     120
ttattattaa tttttattgag atggagtctc actctgtcac ccaggctgga gtacagtggc     180
acaatcttgg ctcactgcaa cctccacctc ccaggttcaa gtgattcttc tgcctcagcc     240
tcctgagtag cttggactat acacgcatgc caccacgccc ggctaacttt ttgtattttt     300
agccaccgcg cctggtcttg gaaagttatt aattactgct tcaatttatt taatagatat     360
atatgcctac tgagatctac cttttatgag ctttgagaga atgcatcttg caaggaattg     420
atccatttta gctaagttat caaatttatg gacagagttg tccatatttc tttctaatcc     480
ttttggtgac cataggatca gctatgatgg cctctttcac ttttggtatt agcagtattt     540
gtcttctgtt ttttcttaat ctagctagag gtttatcaat tttacccacc ttttcaaaga     600
acagttttgg gttttattga ttttctcttt tcaatttcac tgattttttac tctaattttt     660
ttccaggtta ctttggattt aatttgctct tcttttttcta gttttccaaa gtggaagctt     720
agattacttg tgtaatctag ggtcaccaga ctgtaaaatc ttagattatt tgtatgatct     780
gatcatgtaa tgtagtgtac aatcttcaca ctgtcaataa aagccccatg ccagcttgat     840
tctggctctt ctccagcctc aaccctcctc ttcatattct caaaagtctc tgaaggccca     900
gatccctgtc tgggtacaat gagcaatgaa atgacagtcc aacagccctg ggcagcaact     960
gggctgtatg tgtgggcctc tttccagggc cctgtcttgg agagcagctg cttaaagaaa    1020
atttggacta tcacttacgc tgaaggctgg agtgttcaca tatgtacccc aggcagttca    1080
tggcatggga tgagccacag gtagtaagag aaagggagta acatggaggc aggcctagat    1140
cttcacacgt acaggataga ttttttttc                                      1169
```

```
    <210> 502
    <211> 383
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(385)
<223> similar to gi2065210 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 502
ttgtgtcaaa ggagtgatgg ctataaatac gaatccacac tgatttgtgg tcagcagcag   60
atggtttgac tggaaattca gaaacttaga ataaggttgg gaaacttgtg gtaagatata   120
gaaaagagct atgtcaataa actattctca aaaaggacaa agtgtgaggg tatttgtgtc   180
ccatgtaaat gatgaccaat gtataatctc agcagaggag gctctcaata accaagtgga   240
caaaatgact cattatttta tcagccactg tttcccttgc tcagaacgct aatgaacaaa   300
gttcatatcc tactgtgaga gcagcaggaa tgaaggtcat gcatgtgctc agtgacacag   360
gcttccacct gtcaagaatg aca   383

<210> 503
<211> 565
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(565)
<223> similar to gi18736 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 503
aaaaggcctt tgctcagcgc cacaagtcac cgtgactgaa agaagcattt cattccgtcc   60
agacagttac tgagcttccg ttctccaggc actgcacaag gtgccgagga caaggcaggg   120
gaacggcctg ggcagccttt ggattggagg agtggcccca aagcccacgt atcagttagg   180
cggcgcctgc gtctccccca gagcccacgt atcagttagg cagcacctgt gtctccccca   240
gagcccacat atcagttaga tgggcctgcg tctcccccag cgcccgcgta tcaatcaggc   300
agtgcctgcg tctcccccag atcctgtgta tcagttagac ggtgcctgca tctcccccgt   360
gcccacgtat cagttagacg gcgcctgctt ctcccccaga gcccacgtat cagttagacg   420
gcgcctgctt ctcccccaga gcccacgtat cagttagacg gcgcctgctt ctcccccaga   480
gcccacgtat cagttagacg gcgcctgctt ctcccccaga tcctgtgtat cagttagact   540
gcgcctgctt ctcccccagt gtatt   565

<210> 504
<211> 582

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(577)
<223> similar to gi487836 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 504
```
tttcgtgggc ggggcctggt cctgtgagcg ttcggagact gcgggcgcgc aaacctgtac      60
tgggcccgcg ccccggcccc ttacagagct gggtgtgtcc ctccgagtgc cccccgctag     120
ggactgtgca ggccggagct aggcagggac agcggggcga accgggctga tagagtcggt     180
ccctgctcct gtgaggctct caccgaatcc ctgctgtttc cgggcagctg aagagcgctg     240
ggccctcgcg tcgcgggcgt ggctgtggcc gtgtctcctg gtagtctgag cccactgtgc     300
gtgtggatcc acgtgggagc tgggttccag agcctggtcc tgaggaggag ccgagccggg     360
gcttcccctt ctcagaatcc tgctcttcct ccagagagat tcccaggaga agagggaaca     420
accaattcat tcctgaaagc caggcctcgg gacctgatga catttgaaga tgtggctgtg     480
gaattcagcc agtgggagtg ggggcagctg aaccctgctc agaaggacct ctacagggag     540
gtgatgctgg agaacttcag gaacttggcc attctgggcc tt                       582
```


<210> 505
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(439)
<223> similar to gi52878 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 505
```
tttcgtcaga ccttggcttt gggagctttg agacggtttt caaggacact gggcttggaa      60
gagaagtgct gccccctgac tgcagctcca cagaggcagg aggggatggc attcggaggc     120
cgccgagcgg gctggagcat cagcaaacag gtttgtctga aagtcaccag gaccctgaga     180
agcatccaga ggcagaaaag gatgagatgg agaagccggc taagcggact tgcaagcaga     240
aacctgtctc caaagtggtg gccaaagttc aggacctgtc ctcccaggta caaagagtag     300
ttaaaacgca ttctaagggt aaggagacga ttgccattcg cccagcagcc cacgctgagt     360
ttgtacccaa agccgacttg ctcaccctcc cgggagctga ggctggggct catggctcca     420
ggcggcagga caagga                                                     436
```


<210> 506
```
```

311

<211> 1101
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (83)...(1002)
<223> similar to gi2462077 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 506
```
gcggccgctc cctgccctgc agctttgggc tagggacctg ccgcttgcgc cggttcctac    60
gagcggcgcc aagcgcccca ctctcccagt gtgggcagtg gcaccagtct ctgcagtaca   120
tgcgaacggc tggtacgagg ccctggccgc gtcttcgccg gtgcgggttg cggaggaagt   180
actgctcggc gtgcacgccg ccacgggcct gccctggtgg ggcagcattc tgctctccac   240
cgtggcctta cggggtgctg tcacgctgcc tttggcagcc taccagcact acatcctggc   300
caagctaggt ggaaaatttg cagccagaaa taaaaactat tgccaggcat cttaaccaag   360
aagttgcagt tcgtgcaaat cagttggggt ggtccaaaag agatgccagg ctcacttatc   420
taaagaatat gaggaggcta atttcagagc tatatgtgcg agataactgc caccctttca   480
aagccactgt gttggtttgg attcagcttc caatgtggat cttcatgtct tttgctctcc   540
ggaatttaag cacgggggca gcacattcag aaggtttttc tgttcaggaa cagttagcta   600
ctggtggaat tctgtggttt cctgacctca ctgcacccga ctccacttgg attctgccta   660
tctctgttgg cgtcatcaat ttgttaatag tggagatttg tgctctacaa aaaattggaa   720
tgtctcgttt tcagacgtat attacgtact ttgtccgtgc aatgtcggtg ttgatgatac   780
caattgctgc aacggtaccc tcatcaattg ttctctactg gttatgctcc agcttcgtgg   840
gcctttcaca gaatttgctg ctgcgttctc ctggatttcg ccaactttgc cgaataccat   900
cgaccaagtc agattcagaa actccttata aagacatatt tgctgccttt aataccaagt   960
tcatttcaag aaaatgacat attttccata attttgaaac agttgcagga gtcactatca  1020
tctaaatgta tttagactta gaaattcaga tgttacttga tttcctttta tttaaaatca  1080
ttaacttcat gaaatacgaa a                                            1101
```


<210> 507
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(469)
<223> similar to gi200547 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 507
```
ttcgccattc gtgcttgggc cagctccttg gagaggcggg cagcctccgt gttttgggcc    60
tccagcttgc gggcctgggc ttccagctca tctccaaggg cctcagcctt tctcctcaac   120
tgtgccacct cctccctgag ggcctcctgc tctgcgacac cactggccag gctctcccct   180
gggattgggc cttcccagac ctggacctca agagcccctt ctgacttctg ctgtggtttt   240
```

```
tgccaggctg ggtccctgac cgtcccttcc agcctctggt catgctctct ggcctctgct    300
tgtcccgtgg ccaggtccag gccctggttt gggccctcct gctcctccag ctgcacagag    360
ctgggctccg aaggccctgg cttgtgctca gggccctcct gtctcaaccc ccaggcctca    420
ggcaccaact cgccttgggg agcctaactt cccactgtct ctcctcccag caactgcgcg    480
gacgcgtggg tcgac                                                     495
```

```
<210> 508
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(614)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (23)...(613)
<223> similar to gi349075 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 508
gacatctcaa gcttcgcacg agggtgacta tgagtttgac tctccatatt gggatgatat     60
ttcgcaggca gccaaagacc tggtcacaag gctgatggag gtggagcaag accagcggat    120
cactgcagaa gaggccatct cccatgagtg gatttctggc aatgctgctt ctgataagaa    180
catcaaggat ggtgtctgtg cccagattga aaagaacttt gccagggcca agtggaagaa    240
ggctgtccga gtgaccaccc tcatgaaacg gctccgggca ccagagcagt ccagcacggc    300
tgcagcccag tcggcctcag ccacagacac tgccaccccc ggggctgcag gtggggccac    360
agctgcagct gcgagtggag ctacctcagc ccctgagggt gatgctgctc gtgctgcaaa    420
gagtgataat gtggcccccc gcagaccgta gttgccaccc cagccacaga tggaagtgcc    480
acccccagcca ctgatggcag tgtcacccca accaccgatg gaagcatcac tccagccact    540
gatgggagaa tcaccccagc cacccgatgt atgcggccgc tctgaggnat tcgcgctaat    600
gccgcaggct tcg                                                       613
```

```
<210> 509
<211> 1337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(1179)
<223> similar to gi1418928 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

313

<400> 509

```
gcgtccgcct tcagcgcgcc cacctcgtca tccagcgcct gcacttggct ccggagccgc        60
gacgtggccg cccgcgcccg ctcgccctcc gctttgtgcg cgtccacggc cagcgacacg       120
gcgtccacgg cgttctgcag ggcctgcagg gaggagccgt ccagctgccg ccgctcgtcc       180
aggctcacct gggtctcctc cagggcacgc gtggcgtccc tctggccctc ccggatgacg       240
tccaggtcta aatagagctt ctggcaattg cagtccttca cgtacttgat gaggtcggca       300
tggccaccct gcaggtgctg cagcgtgagg ttgagctcca ggagctgccg ctccacctcc       360
tccttgttct cctccatgat cagagacttc tccatcagga tcacgcgcag ctcacggagc       420
gccgtgtggt tcacctgcag ctcctccacc tgccgctcca ccttgctaat ctgatcgaaa       480
gtctcgtccg attcggagta cagttccttg atctcatcca cgtgccgggt cagggtggcc       540
ctcatgtcct ccagggtgta ctgcaactcc tcctccctgc gggccgtggt catgtgcagc       600
tctgagaggt tcctctgcag ctggcccagc ctggcctgca ggctgtccgg ctcaggcctt       660
gccccagccc caggcgttgc caacaccaga ctgccattgg tccctggggc ctcctgagcc       720
ttgtgcagcc tcttcaattt ggtgtccaca tcggcttgga gctctgagat cgagcggtgc       780
agggtaaagt gctgggcgtg caggcggtcc tccacgtcct gtcgcagctg acccactctc       840
tgagtgttct cctggacctt ggcctcaaat ttggcaccaa gctcctggaa gtcagccctg       900
gccacggcac tgtcctggac tctggagatg gcctggcggt tggcctccac gtcaagagac       960
aggtttctta tggcctgggt aaggctgtgc aggctttggt taaagctcct ccagatgggg      1020
ctgaaatgca cttgtaggaa ggtgtccacg tggggtagca gcacctgctc caaggatcta      1080
tcagggaact ctgcaacaga catgtggtgt gacacaagcc ctgcaggagc agacactcct      1140
cccaggctgg gaccagcggg gtcctcccct cctcccctca atgtgaccag gctcttcctc      1200
agcccctaga gcctgccact caccgtgccc tgtttgattt gcttccatca ctgcagctgt      1260
gaggttacca ggcagggctt tccacaggcc tggcaggctg tctgccaccc ggtgcacatc      1320
attctggaga tctccca                                                     1337
```

<210> 510
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(394)
<223> similar to gi4755083 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 510

```
aatggcgggg cctgtgcaac tgcctgggtt tgtgaaatgg ctgctgacgt ttccgattcc        60
aatagggctg cctgcaaagg agacccaagg aacagagcca agttagatgc tgattaccta       120
ctttgagtcc tttattgtgg agtctgttca ttaccaatag agtactgtga atatatgcct       180
gatgttgcta aatgtagcca atgattagag aagaattttc caaatgaata tgcaaaactt       240
actgtggaaa attcacccaa acaagaagct ggaatctgtc aaggtcaagg aacagcaggg       300
gaagaagagg agaagaaaaa acagaagaga ggtggaaggg gtcaaataaa tcaaaaaaac       360
aaagacggta ccacaaaagg ttactatagc caaa                                  394
```

314

```
<210> 511
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (502)...(304)
<223> similar to gi212752 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


    <400> 511
tttttttttt ttagagtcta tccattcctg ttttgtagtc agttcttgac catcaccagc      60
tgcaagccag gagccccgtg ggtcaccgcc aggcacctgc tgtctgccac gaaacagggg     120
ctgcaggtct cttgctcaga ctgttgtgtg ggcagggccc aggtcgatgg ggtcagaggg     180
tccttggagg ttattttcat gcaggggtct tcagaggtgt gcatgcttca gaatcatgga     240
ggagcatgtt caaatgccca ccagcatcta agaacagctg atcttgtcta ttggtcttct     300
tctatgattg aggaaactga ggcccggggg gtctggatga tggtgactgc tgaaggccat     360
agcaggttca agggtgtcaa cttgatgcca atccccctag tcccatagat tggtctgtca     420
atatggccac aagccacacc cattcagggg gtggagggggg gctccttagc gagcccctgg    480
aggtgttggt taggtgcaca ggcagtctct cccctacatc ctttctgcgt cctgcagcag     540
agcagtcacc aggccgaatt cc                                              562


<210> 512
<211> 891
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(752)
<223> similar to gi1906596 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


    <400> 512
aaagacaacg acaacttgaa agcttggtta tttccctgga gatgtccggt atcaaggtgg      60
gggatgacaa atgctactta gtcaatctga atgcagaccc tgctcttaac gaacttctgg     120
tttattattt aaaggatcac accagggtgg gtgcagatac ctctcaagat atccagcttt     180
ttggcatagg aattcagcct cagcactgtg agattgacat tgcatctgat ggagacgtca     240
ctctcactcc aaaagaaaat gcaaggtcct gtgtgaacgg caccccttgtg tgcagtacca    300
cccagctgtg gcatggtgac cgaatcctat ggggaaataa tcactttttt agaataaact     360
tacctaagag gaaacgtcga gattggttga aagactttga aaagaaacgg gcccgccaga     420
gcatgacctg gatgcagcca gtgaggcttc ctctgaacca gactataact atgaatttgc     480
acagatggaa gttatcatga aaaccctgaa tagtaatgac ccagttcaaa atgtggttca     540
ggtcctggag aaacaatacc tagaagaaaa gagaagtgcc ctagaggagc agcggctcat     600
```

315

```
gtatgagcgg gaactggagc aactccgcca gcagctctcc cccgacaggc agccacagag    660
tagcggccct gaccgcctgg cctacagcag ccagacagcg cagcagaagg tgacccagtg    720
ggcagaagag aggtaagaac tgcagcgcgg gcagcccaga gtcaaggccc caaggccgtg  . 780
ggtctttgag ggaggggttt ttgagacatg tcaggacaa acctagcaac aagagaactc    840
ttaatcccat atgtgatatt gccaattagc ttttccttc acaaatattg g            891
```

```
        <400> 513
gaagcctctc cttctgtgca tattattact gaaattcttc aaaagattct gagatgctct    60
cagtgtttca ttgctacttt aattttaatc attatgggat tgattgctgt cacagctact   120
gccgcggcag ctggagttgc tttgcatttc acagtacaaa cagcagacta tgtaaataat   180
tggcagaaaa attctacttt gctgtggaat tcccaaacta atatagacca gaaactagct   240
aatcaaatca attatctcca acaatctgta atgtggctag gagattgagt agttagtcta   300
gaatatagaa tgcagttaca atgtgattgg aatacttctg attttttgcat tactcctcat   360
ctgtataatg aaagacagca tgagtgggaa agagttaaga aacatttgaa aggtcatact   420
ggaaatttac tttagatatt atgcaactga aggaacaaat atttcaatct tctctggcac   480
atctgacact aatgccagga actgaagtgc ttgaaggcgc ttcagatgga ttagcagcta   540
ttaacccatt aaaatggatc aagacacttg gaggctctgc aatttgaatg atgactgtgc   600
ttttaattgg tgttgtttgt ctttgtatat caaattgaaa tacaaatgaa attggtcatt   660
tgtacatctg caaatgtgga tcgcgaatcc tgcgagaagt agcctactgt gacaaagctg   720
cctatgcctt tatcactttg caaaaacaga aaggtgggac acgttggtag caatccctaa   780
ccctgtcata aacagacctt aaagaaactg gccataaaca ggatttctgc agcaatggga  . 840
catgctcatg atggctgtca tgcacactgc taaaagttgt tggtttacta gcagcagggc   900
aaggaacacc tgggcccccgc ccggagcaaa aaactgcttc aaaccacaaa cgataggcag   960
ggaaaggcct gtgccttggc agcatgtttt tgctgcagat aatcagccag agcctgtttc  1020
tctgctcctc gctgagattg ctttgtttcc cataaagatt gcttttagct aatctacaat  1080
ctatagaagc aatgcttatc actggctttc tgtcaataaa tgtgtgggtc aagctctgtt  1140
tgtggctctc agctctgaag ctgtcagccc cctaatcccc actt                  1184
```

<222> (319)...(740)
<223> similar to gi186396 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 514
aaattcccat ctaacgtgat cacattttgg ttgggtttct ctcctcctat caggccccgg   60
gatgttgggc cagcctcacc tggagcaaac gtcagaggat caagcaacgc ttccttagga   120
cctgctcaaa attagctatg cagccacagg gtttggcagc ttttatccat gactgaaccc   180
cacatcgaac gaccccaatc acggttgttc cgagcatcac gtgcctgtcc ctagaaaaga   240
aaatggtatg ctgcctgcgc tccaagaggc tcccagatgt cactgctcgg gtgtgcttca   300
tggtgctata ggcagcgtcc accagtggtt gcattagtcc ctcctcctct tgttacaata   360
gttcctcccc tattaccata atccctcccc gccattacca tagtccccc tcctccatta   420
ccgtagtccc tccttccgtt accatagacc ctcctccgtt accacagtcc cttctcccgt   480
taccgtagtc cctcccatta ccatagtccc tcctccatta ccatagaccc ttctacttct   540
gttaccatag tccctcctcc attaccatag accctcctcc cgttactata gtccctcctt   600
ccgttaccat agtccctcct cccattacta tagaccctcc gttaccacag tcccccttc   660
tcacattacc atagaccctc cttccgttac catagtccct ccttcataat accacagacc   720
ctcctttcgt tactatagtc cct   743

<210> 515
<211> 1161
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1162)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1161)...(0)
<223> similar to gi5817053 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 515
ttttttaatg tggagaaatt tttattactt tgaatgtttt agaatgcagg tagaagagac   60
ccggagctca aatagcttaa ataagtagga aatctattgg ctaatacaac tggaaatgcg   120
gagatagggc aggctgcagg gctggtggct cagggctcag ggggccccaa ctctctgtgc   180
tgctctgagg cactgccttc aatctcaggt tggcagcaca aagctgctga gagtcccagt   240
gtcacgccca gaccccacaa tgccagggag gaagacaggt tctatctaag gagagatctt   300
ccatccccac ctctgcggac ttttactcac ttctcaggga cctgcatggg atctcaggcc   360
cattcctgaa gcagttgttg cagacagag tggaatagtg tttacagcag gcaggcagcc   420
ttggagtgga ggcacacagc tccaagtcta tcaggaagaa ggggaaatgg gagctgcaca   480
gacagcaagc agcatgctcc atagaccacg aggatctgag tctgaattgg tgattattag   540
aacaatgact ccatggggtg atacattaga agtgctccag ggtccagaga tttaaatgta   600
atgaaagatg aacagaaaaa taatgaaaaa aagtatgctg cacaacaata gaaaaacaaa   660

```
aatctcataa tgcaaaagca tcaagtgttt gactctgaga agcgccttgt atgcccagtt    720
actctcgttc tccctcagct cttgcttgtg cttctccacc tgccattcca ctttggcctg    780
gtactgcctg tagtcttcct ggcaggcccc agctccagtt ctttggagca gctgggcatc    840
caagaagagg tcattgctgt ggaaggagcc ctctcgctcc ctccccagcc tctcaatcac    900
agccaggagc tctgcctgct gctgcctctg ctcctccaca gagccccagt tgttgaaggc    960
acagtacctt ctctcacact cccgcaccag gtctttcagg ctgcagttgt ccgtgtttgc   1020
tacatagtca tccagggcct ggccccctta gtcctctttg tgggtgaaga ggatgaccac   1080
atgtctcatg gcccctgtcc caaagacctc tttcaccttc ctgatggcca ctgtgtcctg   1140
agcagngaaa cgccccagct g                                             1161
```

<210> 516
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(391)
<223> similar to gi1150834 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 516
ctcaagcgtg gatgtgcgga agcggggaga aaggaaaggg ctggtgggga tgtcttcctc     60
ccgacgccgt gactgccggc agaacccctc cgaaagtgcc tggggttttc ctaccgtcct    120
ccccacaccg accttgggtt ccgccgcacc tcccaccgct cacgcgggtc cgtgcacccc    180
tcgctcccgc ctctgcccac tgagccatgg cccctccacc cacctcggcg gcaggagcag    240
gctcgggaga cgatgccacc ggttcctctc cgccgccacc agcagcaccg acaccgcaga    300
ggccgccgcc atgtccctgg agcccggcca ctccgtgact ccccagtaca gaggcagctg    360
cgtcccacac gccaaacccg ttcggacgcg tggg                                394
```

<210> 517
<211> 643
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (48)...(597)
<223> similar to gi3261518 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 517
ttttttttgg atttcacgaa ctcacattta ttcacagaca gacaaaggga caaggacaga     60
```

```
cctttgctca ctggggaccc ccagggtctg gcagttccaa agaggtgatg gtgtccagtg    120
tgtgaaacgg gggacaggga ggcggggggcg tccccaccag tctccatccc tctggccaac   180
tgtccgccgc ctttttttcc aagtcgtcct gccttaagac acatgttggg gtgagcggtt    240
cctaaccagc atcaggggtt ctgggggcgg gcgatggggg aggaaggggc agtccagggc    300
cccccactcc ttagtgtcaa gggcgtgaag gggacgggtg ggtagacaga ggaggtggct    360
ccttcaactt ccctcctcca ttctgcaaac cggggagctc aggcggagcg gcggagggca    420
gggcggcgaa ggtcaggagg ccaggccccc cagcccgcgc aggtgagctt tgctgtctac    480
ctcttcctcc tccatctcga aggctgagtg gtcttggctg tcgaaacagg aggcgctgag    540
gaagacaggg ggagccggcg gggactgggg tggggtcccc ggagagggcg gctcttcctt    600
aatgtttgcg aggggcagcg ggagcccttc ttcctcctgc tcg                      643
```

```
<210> 518
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (118)...(514)
<223> similar to gi3882161 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 518
gggtgctggg gaggggacg ggtgcatctt agccggccgg tctccagctg agcctgaggc     60
tgagttcacc actaggcagg gcaggaggga gcaaaccctg agccccaccc accttccctg    120
cagtggtgtg agaagcacaa gcgctctggg aggcagatgc tctgtgactt gcttatcaag    180
ccccaccagc gcatcaccaa gtacccactg ctgctccatg ctgtgctcaa gaggagcccc    240
gaggcacgag cccaagaggc cctgaatgcc atttgaagcc gtggagtcat tcctgcgaca    300
tatcaatggg caggtccgcc agggcgaaga gcaagagagc ttggcggctg cagcacaacg    360
catcgggccc tacgaggtgc tggagccacc cagtgatgag gtggagaaga acctgcgccc    420
attctccacc ctggacctga cgtcccccat gctgggggtt gcatctgagc acaccagaca    480
gctgctgctg gaggggcctg tgcgagtgaa gg                                  512
```

```
<210> 519
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(421)
<223> similar to gi1435038 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

<400> 519

```
gagcaattca gtccaattcc gtttctgaag gaatgagcga attccccaga gagcaatgac      60
cgagactcag gtggttgtct gtttttcatc cacatgcttc acagatgaca tatccccccc     120
ttaagccctg caacagagcg cgaggcggat agtcccatcc acacaggagt cacactcagg     180
ccaactgaag cgtgattctg gattccacgt tctttgccct ctgcaaaggt gcctgttgct     240
caagtttctg ccccccgaaa gcgtgaccat gttgactgtt tgttgcccga gctctgtggg     300
gtcccagaaa cttccaggaa tgcctggaag acccgcattg tgtcggtgct ctcctttcca     360
gttttcaaac agaatatatt gaaaactccc cattttgcag gaaacaggaa tcacgaaaat     420
c                                                                      421
```

<210> 520
<211> 1019
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1020)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (86)...(1019)
<223> similar to gi287865 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 520

```
aggaagagac gcttacgtta ggggaatcct ccgagcggcc gcgttcccca cagaggacag      60
caggacttcc aaggtgagca tgtcggaggc tgatcgcgcc cagaagatgg acggggagtc     120
cgaggaggag caggagtccg tggacaccgg ggaggaggag gaaggcggtg acgagtctga     180
cctgagttcg gagatccagc atgaagaaga gatttctcaa gaggaaagga aagaccgaca     240
gtccctggat caagccagcc aggaaaagga ggcggagaag tagaaagaag cccagcgctg     300
ccctcggttt ctgagtcgta taagtcatct gcaggaagcg ctgagcagac ggcaccagga     360
gacagcacag ggtacatgga agtctcttct ggacttcctg gatctccgag tcaaaggaat     420
tctgtcttca caagcagaag ggttggccaa cggtccagat gtgctggaga cagacggcct     480
ccaggaagtg cctctctgca gctgccggat ggaaacaccg aagagtcgag agatcaccac     540
actggccaac aaccagtgca tggctacaga gagcgtggac catgaattgg ccggtgcac      600
aaacagcgtg gtcaaggatg agctgatgcg cccctccaac aaggccccgc tcctcgtgct     660
gtgtgaagac caccggggcc gcatggtgaa gcaccagtgc tgtcctggct gtggctactt     720
ctgcacagcg ggtaatttta tggagtgtca gcccgagagc agcatctctc accgtttcca     780
caaagactgt gcctctcgag tcaataacgc cagctattgt ccccactgtg gggaggagag     840
ctccaaggcc aaagaggtga cgattagctt aaagcagaca ccacctcgac cgtggacacc     900
agtccccggg caggagaagg gctcggctcg anagggaggg cacnaaccac aacgggcagg     960
tacctggcac agctctggct gggctctcca gtcgtccacc tgaaaaagtt tcagttgtt    1019
```

<210> 521
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(442)
<223> similar to gi4760780 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 521

```
taccgggccg acgatttcgt gcaaagtcgc atctgatatg aggtggcttt ttaacccctg      60
agggaccaca tttaaggatt tcgaagagat ggaggctgaa ctttctcgat gactcttcgt     120
cacccggagt ggtgcagagc aacctgcaag caatcaaggc cagtctaccc tgcagccctt     180
gccgccttcc cataagcagc actctgcaca gcatcatcca tccatcactt ctctcaacag     240
aaactccctg accaatagaa ggaaccagag tccggccccg ccggctgctt tgcccgccga     300
gctgcaaacc acacccgagt ccgtccagct gcaggacagc tgggtccttg gcagtaatgt     360
accactggaa agcaggtaac atctaaaatt tcaaaataag ctagcccaac ccttttctca     420
ccaggagcaa tttactatac ttacatattc tggtgtggtg ctttgggggt ttgttgttgg     480
tgtgttttct tttttcttct ctaagaagca gttccagatt gttgtgat                 528
```


<210> 522
<211> 1190
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1191)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (214)...(4)
<223> similar to gi4886505 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 522

```
tttcgtgcgt gcgcgcaggt gtgcgtgacc atgtgcttga aacggcagta gcgcagcgag      60
aaggatcgcc atcacacggc gcactggtgc ggcttctccc ccgagtggat gaacatgtgc     120
ttggtgtcgt ttttccttga gctgaacgtc ttgcaacagt ggccgcacgc atagggctga     180
ccccacattg gacaccgctg catccatgtc catcacacaa cacagctgcc gtttcttctg     240
cctgcttatg ggaaagaccc ctcttctcct ccgttttctt ctcttcctgc cctatcacac     300
cgtgcacttc tcccttttcct taaagaacca ccatcaactt taggaggagg gaaaggggtg     360
gctctggcag gaaaagccag aatcccctct agccagcaga gagagagagt caagggtctg     420
tttgggtggc agggatagcc acttctgaag gtagaaagga aaataagcca ccaaattggt     480
```

321

```
acctttctgt gaaatggaca tcgtgctcag aatctccatt ttccccacaa cctggaggag    540
taagtactgt catctgcatt ttgtagctga ggaatctgac tcaacaaaat taaattactc    600
gcctaagcaa ttagcaatca accaagtctt tctgactcag aaacccagct attgcctgtt    660
catatccagc ccctgtattg gggtcaagat ctggcctgtt ctcaatgcag caagatccag    720
gcagatcaca ctggactccc agcactgaat ctggctcgag gggacatcaa atttgactgg    780
gtcatggggc tcaggagcat cactctcaaa aatagcagta caggaagagg caatggccct    840
aaacagcact tgcaggcaga tccccaatgt taatcataag ggccaggact ctctcacttt    900
tctgtctctc tctctgtctc tcctctaggg ctgaccccac attggacacc actacatcca    960
atgtccatca cacaccacag ctgccttttc ttctgcctgc ttatgggaaa gtgggctcag   1020
gaggtctgga tctggggtgg ggatctggag tggaagggga attcatttgt tcattgtcta   1080
tccttttgta ttgattgaat ttttatata tatatgggaa ttttcacaat aaaatttttt   1140
tccaaaataa aataaacaaa aggggctttt tgcaacccan aaaaaaaaaa             1190
```


        <210> 523
        <211> 719
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (54)...(652)
        <223> similar to gi21992 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters

        <400> 523
```
tttccggtgt gcgtctgtgt gtgtgtgcgc cgcacgtttt tgagtgtgag acccaaatgc     60
agaccacgca acctgcgttc cccgcgcctc ccccgtccc cggtgattaa tacccatttt    120
tctgacgctc ccctcctccc ctcctgctct ccctctccgg ctgccgcgcg gttgacttgc    180
acagcctgcc cccgcccgct tcccttcccc cggctccgat cctcaccaac tggaatctgg    240
gctcctgcct ctccacccccc cacctctttt tgagaaagga aggttccccc cacccccttt    300
caaaaaccac ttcctccggc ttcttcacct ctaggaaatc tcggggcttc gctctatcga    360
gagtgctcgt cgagggtgat tcttgatcac caccatccag tagtgctggc gtccgaatgc    420
atatcctttt gccttgcaaa gaagagtcat gaacttcaaa accccgaga cggatcatta    480
atcctgcttt gcaggaaagg aaaaccctcc attcccagcc accggccacc cctctccgca    540
gactgcaacc gcggaggcgc tcggagccgg aaggggacgc tttgggaatg accatgctcc    600
accgagggac ggagccggcc cccagcttct ccacacagag cctcctccac taacgctcca    660
aaaaccaaaa accgtaattg ccagaagaag cgttaaaaat ctattccagc cactaaccc    719
```


        <210> 524
        <211> 1442
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (542)...(1417)

                                        322
```

<400> 524

```
cggggggcgt ggggctgggc ccagccggac gcgacctcag cctgcggcgg ctaactgccg       60
gtaggcgtct gtgtgcgccg ccaagtcggt ggggcgggga cgcgaggtgt ggatggggggg     120
tcgccttgac ctctgcctca gccagtagcg cagtctcggc ctcgccgtta cggagatggt      180
gccctgggtg cggacgatgg ggcagaagct gaagcagcgg ctgcgactgg acgtgggacg      240
cgagatctgc cgccagtacc cgctgttctg cttcctgctg ctctgtctca gcgccgcctc      300
cctgcttctt aacaggtata ttcatatttt aatgatcttc tggtcatttg ttgctggagt      360
tgtcacattc tactgctcac taggacctga ttctctctta ccaaatatat tcttcacaat      420
aaaatacaaa cccaagcagt taggacttca ggaattattt cctcaaggtc atagctgtgc      480
tgtttgtggt aaagtgaaat gtaaacgaca taggccttct ttgctacttg aaaactacca      540
gccatggcta gacctgaaaa tttcttccaa ggttgatgca tctctctcag aggttcttga      600
attagtgttg gaaaactttg tttatccgtg gtacagggat gtgacagatg atgaatcctt      660
tgttgatgaa ctgagaataa cattacgttt ttttgcatct gtcttaataa gaaggattca      720
caaggtggat attccatcta ttataaccaa gaaactatta aaagcagcaa tgaagcatat      780
agaagtgata gttaaagcca gacagaaagt aaaaaataca gagtttttac agcaagctgc      840
tttagaagaa tatggtccag agcttcatgt tgctttgaga agtcgaagag atgaattgca      900
ctatttaagg aaacttactg aactgctttt tccttatatt ttgcctccta aagcaacaga      960
ctgcagatct ctgaccttac ttataagaga gattctgtct ggctctgtgt tccttccttc     1020
tttggatttc ctagctgatc cagatactgt gaatcatttg cttatcatct tcatagatga     1080
cagtccacct gaaaaagcaa ctgaaccggc ttctcctttg gttccattct tgcagaaatt     1140
tgcagaacct agaaataaaa agccatctgt gctgaagtta gaattgaagc aaatcagaga     1200
gcaacaagat ctttttatttc gtttttatgaa ctttctgaaa caagaaggcg cagtgcacgt     1260
gttgcacgtt ttgtttgact gtggaggaat ttaatgatag aattttacga ccagaattat     1320
caaatggatg aaatgctgtc tcttcatgaa gaattgcaga agatttataa aacatactgt     1380
ttggatgaaa gtattgacca aattagattt gatcccttca ttggtagaag agattccaag     1440
aa                                                                     1442
```


<210> 525
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(569)

<400> 525

```
gtcgacccac gcgtccgccc gactctgaat cccgggcggg aggaggaccc ccgcaccgcc       60
ccctcccccag cgtgtaagtg gctctgctat tgtgcgtccc tggaagtggg gaccccccttg    120
tccctcctcc ctccccctgtt gtctggccgt cgtcaacccc accttgactg agtgttgagc     180
ccgtccttgg gctctggtcc ctgcggggca ggctctcccg ggcccacggg gcggacgctg      240
cataccaatt tgccctgcac cgcctgtccc ggagacggag cccgaaggcc tgccatggcg      300
```

```
gctgtgtcga ggatgcgtgg cgcctgccgt ggcgggacag cgtgggcagg ctcatttctg    360
cccccaaccc gggccccagg acaggtcagc gcgccctgcc ccggtgccca ccgctgcccc    420
ccatccgccc tcctgccact tgcccctgac ccccctgccg tgcctcccgc agccctccca    480
tgccgttcca ctcctccctg cctctgagcc gaacatgata ataaaagcta ttattgagcg    540
cttactgcat gccaagtaaa aaaaaaaa                                        569
```

<210> 526
<211> 875
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (525)...(876)
<223> similar to gi4185940 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 526
```
ccacgcgtcc gaacaattat acttactggg catatttatc aatttttttt ggcaagaatg     60
cctggatgta atcactctat gacacagtta cacatgcttt ctgatctcag tatttaccat    120
gataaatctg ctcctataat tgaggcatac cgccctcaaa aacctatctg taaacaggat    180
tggacccagt cagagaaaat gaacgtacat gtttgggaag attgcattgc agaacaggca    240
ggggtgctgg caacgattcc tatggaatca ttattgattg atcccctacg gggatgttta    300
gcttgaattg cacctctcag tctgtgtgcc acggccccac tatgttcagc tggtctgaac    360
aaaatggtca gatggtagaa atgataagaa atacggcaag aattcctatt atctggaacc    420
atggcggtgt agtggcacct caacctcaaa tgatatggcc ctttgtagga gctaaacata    480
aggatttgtg gaaactgtta atagctctta ataagatcaa aatttgggaa agaataaaaa    540
agcatcgaga aggacactct acaaacttgt ctttggatat tacaaaatta aaagaacaaa    600
tatttaaagc atcccaggta cacctgacct taatgacaga aactggagtg cttgaaggag    660
ctgcagacag attagcagct agtaacccat taaaatggat aaaaacactt ggaagctctg    720
tgatttcaat gatgattgtg cttttaatcg gtattgtttg tctttgtata gtgtgcagat    780
gtggatcctg actcctgtga gaagtagctc acagtgtcaa aagctgcctt tgcttttatc    840
gatttgcaaa tcaaataagg gggacatatt gggaa                               875
```

<210> 527
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(832)
<223> n = a,t,c or g

<220>
<221> misc_feature

324

<222> (211)...(833)
<223> similar to gi4455041 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 527
```
ggaagtcgcc gnttttnnnn nccatgattt ccctactcag tgncgnggaa ttcggttgtt    60
gtgaggatta aatgaggtag aaatatggca agtgcttana agcaagccag gtatatggtg   120
ggcactcaat aaactgttgc aaaggtgatg atctctgtat cagcactgcc cagcactagg   180
tctgacctgc ggtagcaatc agtgcaggtc cctgtcgagg aacacaccc cagcctctag    240
tctggagagg cccgtggccc accagacaac ccctcgctga gcagtagctg gagccactgc   300
ctcaaccca cagccctgcc ctggtcctgc caccaagaca ctactcacgg gaaggtagat     360
gcagcaaagc agagaatgga gatcaagccc aggcccacgc tggcctcgtc ccagccgtcc   420
tgggcacatt cacccaacac atcccatatc cactggatgg agccactggg gcagctggag    480
aagttgcggg agcccagttt cttccagacc atggctgtgg aggaggggcc cccggccagg   540
cagggctgca ccggagggag ggcgctggtg ttctgaggcc agcaagggtt cctaagcacg   600
gcgtgggagg aggcagtgta ggccctcggt ccctgcagac ctggggagat tgtggaggga   660
ggagcgtccc agctcggggc taccacccac tccaggcctc ggcgtcctcg gccacagctc   720
cctcctggtg actcagcccg gcgcgggccg ccacgtccag atccgccgcc agggcccagc    780
ttctgggtca aggcccgccg ggtcagctga ccgcgcgcca ccgcccccgc g             831
```

<210> 528
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(414)
<223> similar to gi190504 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 528
```
gcccgagcct ctggccggcc tggaccaact gcgggagctc agcctggcgc acaaccggct    60
ccgggtcggc gacatcgggc caggcacctg gcatgagctc caagccctcc agatgctgga   120
cctcagccac aatgagctgt cctttgtgcc cccggacctg cctgaggccc tagaggagct    180
gcacctcgag ggcaaccgca tcggccacgt gggccccgag gccttcctca gcacacccg     240
cctgcgtgcc ctcttcctca ggtgccccga gggtgaccgg aggggtggag gtgggcaggg    300
gagggcctgg gagggtcatg accgcctctc tgtgcagggc caacaggctt cacatgacga   360
gcatcgcggc tgaggccttc ctggggctcc caaacctgcg tgtggtggac acggcaggga    420
atccggagca ggtcctgat                                                439
```

<210> 529
<211> 898
```

<210> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (73)...(892)
<223> similar to gi190406 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 529
agcactgcaa acaagcaact gtctagacat tgacagttat tttctagttc tgaccttata    60
gtatccaaag caactaaaag aacaggaaga cacagtttaa atcatgaaca gtcaatggta   120
agttatgaac attcagttga ttctcagtat cagtctcgac ctattattat aagaagtcag   180
gaatctagtc atggacattc tatagtaact cataaacagt caaacaacac ctatgttcaa   240
cctggatata acacagccag aagggaggga tgtacacata gccagtcaaa tgaccacctt   300
ggatttggcc atggacaatc catatcagtt catggccatt caaaatctag ttcaatcaga   360
aaacaggaat cccatactga taacaaaaag cattcagaag attgggagaa agacactcat   420
gagcaattag gatctaggca tgggaagtta gagttcaata caataggtat acatggatct   480
agccagcaac atttcggaga tacaactttt catgggcagg taagatccag cacaggtttt   540
gccagatagg tattaagtca tgggccatca agagatgcct agggtcagtc tggattcagt   600
accaatgaaa gacaagtata cagccatggc caatcaaatg atagttatga gtagtcaaat   660
gacagcaaaa gtcaaagata cattttcagt cactttcttg acagccaaga ccctgcagga   720
attgaagagt ataggtatag atatttatca agcagtgcaa ccatatgcag tgggggagac   780
aaaggcaaga gtcagagtca agtctgtcag gaggtatcag aatatacggt gaggatgtgg   840
gcaaaaaaca aagaggctct gaggccagcg gttaccatac aaaggaaaga acaggctg     898


<210> 530
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)...(865)
<223> similar to gi600118 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 530
tctctgaact tcttctttta gtgtcttgaa gccttcgtgt acgtccccaa catcagatgc    60
ctggataagg atgaccttct cctctcctga cttttctcca ggagggaagg tttgcatgtt   120
atcattgcag atatgtggaa tatcccactc atctttgcct ttgaccatca gctgtctcac   180
tcgaaaggcc aggacgcagc ccttgggat ggttacagcc tccttgtgat ttatggatcc   240
ctgtagcccc aatggggcga agaaggggag ggagaagcag gcctctgcct tgccggctcg   300
ctccagtgtg acctcctgca ccgtctccac cacctccatc accacataca ggttctcccc   360
ttgatcttgc atctccttca ggaatgggtg gtctgctgcc agcttcctct tctgcaaggt   420
ctccagggcc ttggcagcca cactgagtgt ctggccctcc agagtgctgt tctgcgagag   480
ccctgccgtt cccttcacct tcaccgtctt tggtacatcc acatctccca ccactcgggt   540


326

```
gtccagcata ttcttaaagc caaaattccc agtgtctgtt gggtctgaag gtgagcagcc    600
gggctcaagc acatccagca gtgtgtagtc ggtgcggacg taccgggccc cccagaagag    660
cgtgctcttc ctcttcctca gctccaggca gaagggatgg aagcgcttga agtcgatgag    720
gctgtcaagt ggtgtcaggt cccctcgagg gtttagctgt ctggccaggg cccgggtgac    780
attttcaaac atggtcattg tctctgggag cggggctggg tcctatccag cagctgggtc    840
tgcggtgagg gcctagggct cactg                                         865
```

```
    <400> 531
agtaaaggga agatttagga tgccgttttt caagggaaag ttaagtctag acatgcttct     60
ttgaaagtca caaggcagaa ttggtcaaaa gccagaattt taaaaggaac ccaaaaccaa    120
atatcataag cttgtccttc tcttcctaac tgggatataa aattctccta agtatctcat    180
cgaaaaggct ccttgggacg aaagtcgatg ggggcaaatc tttggaggga aatttcgtga    240
cttgtttgac catggactta attaataccg ttcacctgta gagaggatgc acttggttcc    300
cagcgccctc ctcccagcac aggccgctgc ctcagcatcc accccgcagc ccacgtgtgg    360
caagccgggg aaggggtgga gtgaacggcc ggagaccacg tggagaaagg ggccgctttg    420
gcccttccat ctgggtgccg ggagcccta ggcctccgg ccatggccga cagcggcgat     480
gctggcagct cgggcccctg gtggaaatcg ctcaccaaca gcagaaagaa aagcaaggaa    540
gccgcagtgg gggtgccgcc tcccgcccag cccgctcccg gggagcccac gccacctgcg    600
ccgcccagcc cggactggac cagcagctcc cgggagaacc agcaccccaa tctcctcggg    660
ggcgccggcg agcccccaa accagacaag ttatacgggg acaaatccgg cagcagccgc     720
cgcaatttga agatctcgcg ctccggccgc tttaaggaga agaggaaagt gcgcgccacg    780
ctgctcccgg aggcgggcag gtcctcggag gaggcaggct ttcctggtga cccccacgag    840
gacaagcagt agccccaata gcctgcgcgc tccaggactg cctacccagc actaccccaa    900
accccagtt ccaaacccga gacttcaggc ccgcccctt acgcgttgtc tcattcc         957
```

327

<400> 532
```
gttcttcctg cagccacctc ctgagcctgg agccgctccc cgacttcttc tcttttctcg      60
ccttgtccct tttgtgcatc gagagggcac cctgggccag caggcccgtg atgccctact     120
tcttctcatg gctttgtcag ctgggagccc cactgtgggc cgctacatcg cggatcactc     180
ttacttctgc ccggtgctgg ccacagggct cagtgccctg tactcatcac tgcctcgaaa     240
gattgaggtt ccaggggatg attggcactg tctgcgacgg gaagactggc tgggagtgcc     300
agcccttgca ctcttcatga gttccctgga gttctgcaat gcagtaattc aggtggctca     360
ccccctggtg cagaagcagt aggttgatta tatccataat gggttcctgg tgcctgtcat     420
gggtcctgcc ttgcacaaga cctctgtgga ggagatgatc gccagtaccg cctacctgga     480
acttttccta cggagtatct cagagcctgc tttgctccgt accttcctgc gattcctgtt     540
gttgcaccgg catgacaccc acaccatcct cgacaccctc gttgctcgta ttggcagtaa     600
ctcccggctc tgcatggtct ctctgagtct cttcaggacc ctcctgaacc tcagctgtga     660
ggatgtcctg ctgcagctgg ttctcaggta tcttgttcca tgtaaccacg ttatgctgag     720
ccagaagccg gctgttcgtg atgtggacct atatggacga gcagctgaca agtttctctc     780
cctaatccca cgctgttgtc ggcaccacgc ccccagccca cctcgtccag agcatgcctc     840
atgggcacga ggtgggccta gcagagagac agggagaagg gaggacatca cgggtcctgg     900
aagcccaagt gtggactcct cttctgtgat gacagtaccc cggccctcca caccatctcg     960
tctggctctc ttcctgcggc agcagagcct gggtggctct gagtctccag gcccagcccc    1020
ttgctcacca gggctttctg catcccccgc ctccagccct ggccgacgg              1069
```

<210> 533
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(515)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (514)...(0)
<223> similar to gi2429362 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 533
```
tttttttttt ttgagtgtgg ccctggctat tttattccat gtgctggccc tggggaccca      60
gctgggccag gtcgacgccc ctggggagac agtgtggctc ggccagcctc agtggcttct     120
ttggggtgca ggagggcttt ggggttaagg ctggggagga acaggaagta aagtgcttgc     180
aggggccctc ggggcttggc cccagccacc ctccctgctc cggggcgggc cagaggccgg     240
acacccctgg gctgtgcaaa caggactctc cagggcccag ccaggcctgg gtgaggggca     300
catactggct ggcaggcatg gttcccaaca cccgcagcca cggaggctct ggcggggctg     360
ggggcccgga tgaggggtga gtccagaacc gattgtccgc tgattgtctg cttgtctggt     420
tcgtggctgt gtcggctctt cccggtatcg gggcctgctg cccgctttct gggggctgcg     480
gacgcgtggg tcgacctnna attccagagc ggtc                                 514
```

<210> 534
<211> 716
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(717)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (675)...(6)
<223> similar to gi3417297 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 534

```
ggggccgcag tccgtgcaca cgtggcgccg ctggccggcc tgagcatcca tgctgggtat      60
gggtgccggg ggctgtgctc ctgtggtcgg gtcccaggca gcatttttgg gtggctgtgc     120
ccgtgccggg gccacgctaa tagctgggtc agggttgcgt tccaccagca cttcaggact     180
ctccttcaca ggagcctttc taggcccttt ggctcttggg acttcctccg gttcctcttc     240
cttcctgttt gggacatctc ctctccgagc tcctcccagt ctttccccct tctcaggatc     300
ctgggcggcg gggctccaag cctcactctc ctgttccatc caagagatga gggctggttt     360
ggggcctggg aatcctggga gagaacaggg atcacagcgc gggcctgaga ggccatcgtg     420
ggaagatggc attcccctcc aggctgaggg cacccccctcg gagcttatac tcaacctgga     480
aggggctgca gtgctgctgc ctgaatgaaa tggatgcggg tgaaaacact cccgagggggg    540
tacctgaagc cctgggaacg ggaggtggct gctggtgttg gtgcaagagt gcgggattag     600
ggctcacagt cctctcggnc cttctacatc atctcccctg tgaacccagt gaaagaagag     660
gggctcggac ccgggctctc accgagcgcg cccaggtggc cgtaggtctt ctgcat         716
```


<210> 535
<211> 623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (263)...(625)
<223> similar to gi5738610 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 535

```
gtgtgaaatt ccattggatt actgaatcaa gtaagccata aaagttaaac ccaagtgaaa    60
ctagataatt gtgcaatttt cttagatgga ctccttctta agttcacctg gctctctact   120
ggggaccaaa tcttatattt ctcaattatg tatgcaaact ggaatcacct gaaaatacgt   180
ttaaagacaa aaattgcagc agagaagcca gggaaggggt agagtggatt cttccagcac   240
atgagttcac atgactgctt ccccttctca acaggggcca gagcctgcca ggacctcaaa   300
gaggagagct tcagaggccc agctgacata ctaggcatag gggccaaaga gtctaccttg   360
agaaaggttt ttatatctca aatttgaccc actcttgaat gacagctcta agaaattggc   420
ttctcaggaa actgagacaa acagcatctg tgatgctacc atgccttcct taggaagtcg   480
gcctgaagca aagccggtgg aatctgattt ctagcgactc cgggtgttcg tgttcctgtg   540
ataggggcctc ccttatgtgt ccattggccc cattgtggat atactgcagt ttagccagaa   600
agacctggat gtggaggtta aag                                          623
```

<210> 536
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (46)...(383)
<223> similar to gi1004363 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 536
```
tctgcactct caggtattcc ctgctcttac tccaaaaaga tggacccagg tccgaagggg    60
cactgccact gtggggggca tggccatcct ccaggtcact gcgggccacc ccctggccat   120
ggcccagggc cctgcgggcc accccccccac catggtccag ggccctgcgg gccacccccct   180
ggccatggcc caggtcctg cgggccaccc ccaccatg gtccagggcc ctgcgggcct   240
cccctggcc atggcccagg tcacccaccc cctggtccac atcactgagg aagtagaaga   300
aaacaggaca caagatggca agcctgagag aattgcccag ctgacctgga atgaggccta   360
aaccacaatc ttctcttcct aataaacagc ctcctagagg ccacattcta ttctttaaaa   420
aaaaaaaa                                                          428
```

<210> 537
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(739)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (279)...(726)

330
```

<400> 537

```
caatttgatg tatttgagtc agcattcaga aaatttaaat gattttattc acaaaagatn      60
ttctgagtct cctttggcaa attcccaatg atacacgatt aattcaataa atttctacaa     120
gcaattattc attccaganc cataaaactt ctaagatgga atttgcaaag caatgaaaca     180
gtcattttac attgtgtact gcactacaca gattgctttt tatatttatg aagtttaaat     240
gcagggaata agtcaatatt taactaaaaa atggattcaa aactaaccaa gtctggcata     300
aggacagaaa tttaggtgag tggaatagaa ccaagaatct agaaataaac ccatacatct     360
atggtaattg atttctaaca aagttgccaa gacaattcaa tggggaaaga ataatctttt     420
ctatatatag tgctgggata atatctcata tcaaagaatg aatttggact cctaccttac     480
atgtacctca catatataaa aattacttca aactggatca aagatctaag tacgttaaga     540
gctaaactat aaactttta caagaaaaca taggtgtaaa tctttgtgat tttggattag     600
ggaatgattt atttgatatg acacttaagc attagcaacc aaagaaaaaa atagataaag     660
tgaacttcaa aatgaaaaac ttctgtgtgt caacagacac aatcacaaaa gtgaaaagac     720
aagagaatgg gagaaaat                                                   738
```

<210> 538
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)...(417)

<400> 538

```
aactttcacg gggccaaaat tttaatcttg atggagtcca acttcagttg acccaagcag      60
aaggaacgaa ataataaata ttagagcaaa aataagtgaa ataaagaccc caaaaccaat     120
aaaagaaatc ggtcaagcct aaagttggtt ctgtgagaat agcaacagaa ttgacagaaa     180
cttttagctg ggccaaccaa ggaaacaaga aagagggtgc agatcactgc agttgggagt     240
gaaagagaca ctagctgacc ttccagagat aaaggctgta aaggaatact acgaacagct     300
gcatgccgaa aattaataac ggaggtgaaa tgaacaaact cctgaaaaga caaaagctac     360
caaaactgac tcaagagaaa cacagacaac ctgagtagac ccacagaaca gcaaagaca     419
```

<210> 539
<211> 2369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (170)...(2291)
<223> similar to gi186774 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 539
```
atacagagat gtgatgctgg agaactataa gaatctagtt gcagtagatt gggagagtca    60
tattaatacc aaatggtcag cacctcagca gaattttttg caggggaaaa catccagtgt   120
ggtggaaatg aattcagagt aaaagggaga atctcaatga aataaatttg gaaaacttct   180
atgaaccatc attaattttc accaacagga gagaaaccat tttggagagg aactgtttga   240
ctttaaccaa tgtgaaaaag ccttgagtga acactcatgc cttaagactc acaggagaac   300
ttactttaga aagaaaacct gtgagtgtaa tcaatgtgaa aaagccttca gaaaaccctc   360
tatctttact ttacacaaga aaactgatat cggagaggaa cttcctaact gtaatcaatg   420
tgaaacagcc ttcagccaac atctacatct tgtttgcaag aaaactagcc aaaatctaca   480
tcttgtttgc aagaaaactc acactcaaga gaaaccatat aaatgcagtg actgtgaaaa   540
aggcttacct tcctcctcac acctcagaga atgtgtaaga atttatggtg gagagagacc   600
atatactcat aaggagtatg acgaaacctt ttctcattct acagcccttt ttgtacacat   660
gcaaactcaa gatggagaaa aattctatga atgtaaagca tgtgggaaac ccttcactga   720
gtcgtcatat cttactcaac atttaagaac tcatagtaga gtgttaccta tagaacataa   780
gaaatttggc aaagcctttg cttttttcccc agatcttgct aaacatataa gacttagaac   840
tagaggaaaa cactatgttt gtaatgaatg tggcaaagaa tttacttgtt tctcaaaact   900
caacattcac ataagggttc acactggaga aaaaccgtat gagtgcaaca aatgtgggaa   960
agccttcact gattcatcag gtcttataaa acacaggcga actcacactg gagaaaagcc  1020
ttatgaatgt aaggaatgtg ggaaagcttt tgctaactct tcacatctta ctgtacatat  1080
gagaactcac actggtgaga agccttatca atgtaaggaa tgtggaaaag cctttattaa  1140
ttcctcttcc tttaaaagtc acatgcagac tcatcctggt gtaaaaccct atgactgtca  1200
acagtgtggg aaagccttca ttcgatcctc atttcttatt cgacatttga gaagtcacag  1260
tgcagaaagg cctttttgaat gtgaggaatg tgggaaagcc tttagatact cctcgcacct  1320
tagtcaacat aaaagaatac atacagggga gaggccatat aaatgtcaaa agtgtgggca  1380
agccttcagt atctcatcag gccttacagt acacatgaga actcacactg gtgaacggcc  1440
ctttgaatgt caggaatgtg ggaaagcctt tactcggtcc acatatctta ttcgacatct  1500
aagaagtcat agtgtggaga aaccatataa ggaatgtggg caaacccttta gtaattcctc  1560
atgccttact gaatgtgtgt gaattggggc tgatacttgg aaagaatgtg gtaaagccac  1620
tacttcctca cacttactga acatgtactc attcatagtg gcaatgtaca cagtcataag  1680
gaatgtggga agccttcctt ggtgtctcag atcttaacaa ttccaataga agagaagaca  1740
tatgaatgta aggaatgtgg gaaaatcttg gctccttcca taggccttac tattcatgtg  1800
tctgtgcatc ctaggaaaca aactgaacgt aggaaacctg tcgatgctta catcttactg  1860
agtctgtttg aactcatgct ggagagaaat gctatgaatg tgaggaaggt ggaaaagctt  1920
tcattatttt cctcgggcct tactgagctt gtgagcacat ggatataaa tgcacgtcct  1980
ctggctgtaa ggaatgtgtt gaaacctttc actctgcctt taccttaat attcagctgt  2040
gatctcacaa gtgtgaaaaa tcttatgaat gtaaaatgtg tggagattct tctttgtttt  2100
tagcttccac tttgggaaca tgtcaaagca cacattgaga agtcccatga gtgaaagaga  2160
tgttggaaag cccttgaact tggtcgttag gaaacatcca cactgaagag gaacctgact  2220
gtatggaagg tcaaaaaggc tgtattaatt tacatgcaaa aagtcacact agaggaatgc  2280
catatcagaa tgcttttggt aaatatacat gttttaaaga ggttatatat cattaataaa  2340
aatatctagc tggtctgaaa aaaaaaaaa                                     2369
```


<210> 540
<211> 2784

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1467)...(2784)
<223> similar to gi2065210 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 540
```
tgggtcccct tccactcaag agtttattc caatatattg aacctggcct ggagcttagg       60
gctttataga gtgggagggg ggcagtcttc caaaagatgc ggactcttgc cacatggaat      120
ggtggagtac ggaagggtgg aaagggtttg gtaggtaaac cctgaagatg cttctaacac      180
acgtgctgtt ctcccatctc acgtatgacg actctcccac aggtaaccaa aaccacattt      240
ctctctgctt agggaattca agatcatatc taacttcgaa ttccaggggt aatgacgcgg      300
cttctattct ccaaagtcca gtgtcattag ggataatctc cctctttcag ttttatcaca      360
attccatttt gaaattctac aacctgtaga ttaactggta aaattaacca tattcaacca      420
aaattgtata acccagcaag aatggaagaa tgggtaaagt ctacagtcca tttctagaac      480
tggtcatgag aactcatgtt tatgatgatg dactttgat ctggtggagg gacccaaacc      540
ttcagttctg aagctcatta gtggtcctac ctgtgtgaca ggcatttact attggactgg      600
cagtcccagg acaaactcca ggaatccccc catgtccatc tctactcctg ccctctttta      660
cgtagcagca atcatatttt cccttgatag ggttcatcat tctagatact ccgatgactt      720
ctttataatg agcctgaagt ggcctggtgg ctgcctcagc ttccagttca gttgaatagc      780
tactacgtct ttgaggatgt gctccttgct gggggactaa actctccacg ccagcccagt      840
cccaaaccta aacctcgggt atgagaaaag cattgagatc tagcaatagc agggccatgt      900
ccacactgcg tcctatccct gaaggagaaa cagcgccagg tatggttgcc ggctccaagc      960
gcatgctgcc tcctgcaggc ctgacccagc ctctcggggt gttgtttctg gtgccatagt     1020
tgaattttca acaaaccatt tcaccaccct ctcaagacag ctgctgctgg tttgtgggtt     1080
cctgacaaga tgagtgaatg cctgcccatc aacccgttac tcttcttta gctgtaaagt     1140
gaattctctg gttgggtgca gtatgtgagg aggtcacatg atgtttatgg catttgagaa     1200
ttccatggat attgatggca ggagaggcat gatgggttag aaaagcaaat ccaaatccag     1260
aacaagggcc caaaagggcc aagacaaatt actgcccctc tcagagccac aggtgtagac     1320
aggtgaaaac actggacagt gagtgagcta cccacacacg acccactggt gccttcagag     1380
ccttagcctg gagcgacagt gtaccgttga taatggaacg cactggccat gccagacttt     1440
atggctaggc ggtcagataa cactacgagg ggcagcatgg ccaccaagtg tgccagggcc     1500
aagtgttcag gctctcccag agcccagtgg tgagccagaa gggcattttg tacaaggata     1560
atggttactt tttggccaga gcatcacttg gctccaaatc ctgggttccc gtatcatatt     1620
ttcttgtcag gacttaccgc aagctatgta tggctccgcg gtatgccacc catggaaaga     1680
cacctcatgc accattgacc tgccaggtca cgtggcctga tggcagcgtc ggctgcacaa     1740
aagactttcc cagctgcaat gccttcgcct gctctaggcc caccccaaag ctggcagtct     1800
tctaggtcag ttggtaaatg ggttagaaca agatgcccca aagtggcata aattgcatgg     1860
aattaggcct tagtggcgag ggattcgaca tacagtcatt tgtcctacat tgtgaaggaa     1920
acattctgac ctcaaacaga tccctcaacc ccagaacttt atagaagggg cagaccttgg     1980
cattttcaca tgatttatct cccactctga ttcacatatg tttgaccaag gcactgggca     2040
gctgccaatt tcccgtccct tctgtagtcc cagatgaatg gatacagacc tctttgggga     2100
aggctgcaag gaaggttcac aacatgcatc taagtgttaa aataagtttt ccttcaaaa     2160
atacatttga cttcctctcc atttaaggtc tggaaatcaa gtgggagatc ttgactttac     2220
cttggcactt gagacagaac tgttggccca gaagtcttta gttaaggtca ttactaggcc     2280
atatcttagg ggcgtctggc ctttttcatt cctgggaccc acagctcgag gtctggtttc     2340
catgccctat cccttacgat gagcgcccta ttttgttcct tctgtctatc tctgttgctg     2400
agatcaggga gcccacgttc acagcagctc tttcaagcag cctcccaggc ctagagagga     2460
aaatcagcag agcctcgtga atgtatttct cgtggcaaga agggagctca tcttctgggt     2520
cctgccagag ggcagtgagg gggttgatgg gctgggtgca tgccagggac ccaatcaagc     2580
attttttatct tctgaaatct ttgaattcct gcctttcttg gatgtttggt cttttgatat     2640
```

```
aatttagcat gggccaacat ttggtccaga tttgtattag ccaagccctc ctaaaatagt    2700
aataacagta tctggcgatt tgagctttta cgtagaatgt agaatctctg gtgagtgaac    2760
atatcaataa agacaacctg aacc                                          2784
```

<210> 541
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(446)
<223> similar to gi181400 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```
    <400> 541
ctcacgcgtt cgggtatgga ggagcatcac agctgttaca gtgacccaga gcctcccgag      60
tccccttaag ctggatgtgc acaccaacac ccaggctgta tgcaccccgg agaaattgca     120
gatcaagacc ctaaacaagt ttgccccctt cactgagaag gtaccttcc tggagcagca     180
gaacaagata ctggagacca agtggatcct tttgcagcag caaaaagtag cttggagcaa     240
catggacagc atgtttgaga gctacatcaa caacctaaag cagcaactgg acacactgag     300
ccaggagcag ctgaagctgg aggcagaact tggcaacatg gagagaccag tggaggacta     360
tcagaagtgt gaagtttaaa taaccaagcc tacagagatg gagaatgaat ttgtcctcat     420
caagaaagat atgaatgtag cttc                                           444
```

<210> 542
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(759)
<223> similar to gi5305335 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```
    <400> 542
acgggccccca gtgcccctgc tggagccggc ggtgggcacc tgcggaagct gattctcccc      60
acaccccgat gcaagggaaa cgtccgcctg gaagcctggt cgctcctgct gctcttgtga     120
aagcggccca gggagcgctg tgtccctcag gcactgtggt tcctctcccg cgcgcagctg     180
tccgatgtgt cactgtctgg ttcaaagtca ccgaggcctg tgccctggct tctcacgcag     240
caggcagcac agagatcccg gctgcaggct ccaggcagcc ctgacagcag tggagaaagg     300
atggggcgga ggtgaaggca cccggctggt gtccccgtca gctcctccct gaaccagccc     360
```

334

```
tcaccatgtc aagtgctgcc ctgccctgcg gaagccgcag ccagcgccgg gccggcccat        420
cttgcgaagc acagttcagg aaaaaggccc aagttccgca ccttctccaa ggatctgggc        480
gcagcttcaa ggccgccagc gagggccctc agcagggtca gctctggggc ctcagccctc        540
cctgtccctc ctgttcgctc cccgcccagc tccaacgtcg ccccctggga aatcttcatg        600
ccctggcaca cgcacgggtg cctccgcggg cttcagtgcc ggtccacacc cttccgctac        660
gccctggcgt ggggttcgcc aagcgcacaa agccacgtct ccccgcgggt gagcaccCca        720
gctgaagagg caccacgcac tgctgtgagc tatcagcttg tgcagtttca gcgcc            775
```

<400> 543
```
cgggcttcct ttcttgaaag tggtgaaggt acagcatata gctgtatgga agaaacagta         60
atcggatggc taccttctac attttgtatt aggaaacaaa gtccattgta agagtccatg        120
ttgatcttgg aaatagaagg attgaaaaaa gctaaatttc cacaaagaac aagaacttga        180
ccatctcctt tttgatctga agactagggg acaatggata tcatagagac agcaaaactt        240
gaagaacatt tggaaaatca acccagtgat cctacgaaca cttatgcaag acccgctgaa        300
cctgttgaag aagaaaacaa aaatggcaat ggtaaaccca agagcttatc cagtgggctg        360
cgaaaaggca ccaaaaagta cccggactat atccaaattg ctatgcccac tgaatcaagg        420
aacaaatttc cactagagtg gtggaaaacg ggcattgcct tcatatatgc agttttcaac        480
ctcgtcttga caaccgtcat gatcacagtt gtacatgaga gggtccctcc caaggagctt        540
agccctccac tcccagacaa gttttttgat tacattgata gggagaaatg ggcattttct        600
gtatcagaaa taaatgggat tatattagtt ggattatgga tcacccagtg gctgtttctg        660
agatacaagt caatgtggga cgcagattct g                                      691
```

335

```
    <400> 544
gtcgacccac gcgtccgccc acgcgtccga cggcacctat cgtcaccact ccagtgacaa      60
caagaggtgg aggaagaaga tcatagagaa gcagccgcag agccccaaag cccctgcccc     120
tcagccgccc cccatcctca aagtcttcaa ccggcctatc ctctttgaca tcgtgtcccg     180
gggctccact gctgacctgg acgggctgct cccattcttg ctgacccaca agaaacgcct     240
aactgatgag gagtttcgag agccatctac ggtgaagacc tgcctgccca aggccttgct     300
gaacctgagc aatggccgca acgacaccat ccctgtgctg ctggacatcg cggagcgcac     360
cggcaacatg cgggagttca ttaactcgcc cttccgtgac atctactatc gaggtggggc     420
cccgggctgg gcaggggtgc cacggggggct gatggagacg ctgtcctttg cttgtctgac    480
tcctgagact tttgatctgg gcctaagtgc cagcatgtac ccaggacctg acaaatggat     540
ggatggatgg atggatggat ggatgcatgg atgcatggat agatcgatgg atgaaggaac     600
ggtaactacc ccttccaact ttgtttcgag tttcagaata gaagattcca ctgggtgcgg     660
tggcttctac                                                           670
```

```
    <210> 545
    <211> 522
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (22)...(478)
    <223> similar to gi1335196 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters
```

```
    <400> 545
atgtctggcc aaataatggt ttttaatata atgattattc ccagaaataa aggttatttc      60
agaatgataa aggggtcaaa taatcaagag gacaaaactg taaatgtttc tgcatctaat     120
aacagtgcct caaaatacag gaagcataaa cagacagaat tttaaggaga aagagaacaa     180
acccataaca atcattgcag acttcaacac tcctttctca gtaatcacta gaacaagcag     240
acaggaaatc agcaaggata gggaagacct taacacgatc aaccaacttg acctaattat     300
tatttatgaa acactttacc taaaggcagc agaacacatc tttcctatta caaactgaac     360
attgacctaa acaaacaatg tttcaggcca tatacaaacc tctacatttt tttttaattc     420
atcataacga gtatgttccc taaccataat ggaattaaat tagaaaccaa caacaaagat     480
gtctgggaaa tccctaaacc cacgcgtccg cggacgcgtg gg                        522
```

```
    <210> 546
    <211> 1629
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (15)...(1629)
    <223> similar to gi1017722 in the genepept database release 114,
```

Run with FASTXY 3.3t00, default parameters

<400> 546
accgggttag agagttttca gaccttactg cccatttttt attccatagt ggagagaaac   60
cttatgaatg taaagaatgt ggcaaagtct tcaggtacaa gtcttctcta accagtcatc   120
atagaattca tactggagag aagccttaca aatgtaacag atgtggcaag gtcttcagtc   180
gcagttcaaa cctggtatgc catcagaaaa ttcatacagg agaaaagcct tacaaatgta   240
atcaatgtgg caaggtcttt aatcaagcat cataccttac aagacatcaa ataattcata   300
ctggagagag gccttacaga tgtagtaaat gtggcaaagc atttcgaggg tgttcaggcc   360
ttactgccca tcttgcaatc catactgaaa agaaatctca tgagtgtaaa gaatgtggca   420
agatcttcac tcagaagtct tccctcacca atcaccatag aattcacatt ggagagaaac   480
cttacaaatg caccctgtgc agtaaggtct tcagtcacaa ttctgacctt gcacagcatc   540
agagagttca ttcatgagag tccctacaaa ctgtgtatgg caaaaccatc atcatgagtt   600
ctagcattaa tcaacatcag tgagtccata ctaagtggaa atcatataaa tgaaatgtat   660
gtgacacagg ctttatcaag gcctgccaaa tcactggaca tcaccacatc actgtggagg   720
atgaaagcac acagatgaat tgtgtgtact tgggctatta ttcaaggacc attgctatag   780
aacacgatag gatttacaca agaagtaact ctgtctctgg ttctctgata ctaatctatg   840
atattgcatg atgcagaata atgctaagtc aaaatatgtt gaatctcatg acctgatgta   900
tatcaaaggt gcaacggctt gtaaatgacc agttttattc aggctataaa gcattcaatt   960
atttggggct tatagaaaag gctactttac tctttgtgac ttcgaaatct tttcatgtgc 1020
cttccataca ggccattcac tgtggtccct gggaaagaat cagtaggatg acagggctga 1080
cttcattagc tgaggattat ttctatccaa tttcctgatg aaggacattg ccttttgaga 1140
ttaaatattg tctgatttag agagcatgga ggtgggcaga gtaacataaa actgatgacc 1200
gtcatcatac tgttgcagtt agcacacttt ctcctgacat aagtgcacag agcttcagtg 1260
tccaccaact gaccatgaaa tagagtatgc tgtaatctta aggcataggt tattagtggg 1320
aagagagtaa taggttgcta gtgtctgatt atatggtaga aataatgcaa ggaaaaaggt 1380
agccaccttc tccattgaac agcagtacct gctgtttagc aaagactgat gagaagtaga 1440
cttttttttt tttggaaata aagtctaatt ttgttgccca ggctgaaggg aagggggggg 1500
tttttggtta atgtgcccct ccgcctcctg ggctaaagca gccttttgc cttaccctcc   1560
taagaagctg aaactacaaa cgggcccccc cacccccagt taattttgt tttttagaa   1620
aagacgggg   1629

<210> 547
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(324)
<223> similar to gi2072951 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 547
gtaaataaaa tagagaatag aaacacgata gagaatatca gtgatacctt aagatggttc   60
tttgtaaagg gcaacaaaat ttacaaacct ttatagctaa attgattaag aaaaaaagaa   120
agactcaaac tattaagatc agaaatggaa gtgggatatt attactgatt ttacagaaac   180

337

```
caaaaggatt ataagaatac tatgaacatt tgtacaccaa caagttggat aacttagatg    240
aaataaacac atctcttaaa aaagccaaac taccaaaact gacacaagta gaaatagaca    300
atttgaatag acttataagt gaagaaatta gatttaatct cttgacccag ttatctgtgg    360
atttttagtc cccagatagc ttttatgaat actgctcact gcttttcctg ccctcattcc    420
atgttatgtg agatagagac aagcaagtcc atccttcagg tatcctccag ccagcttaga    480
acggacatat acaataattt gcaaataaaa ctatgttccc tccagttcca taaagggaat    540
tgggaactag gcttctgctg ctcaagacca acagtgctgc tgtacttagg agcagatgaa    600
agggtgaata caaactccaa aaaacgtttc tactgttttg aacatgaatt ctaggtgaac    660
aggtttcatt ttctttcatt actataaaga tgtcactcca tagtcttctg cctttcatag    720
tctaataaga ag                                                       732
```

```
<210> 548
<211> 530
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(531)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(407)
<223> similar to gi854065 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 548
tgtgactgcc tggcttttga gtttgtgtga taacatgtga gtgtgtccat ctggctgagg    60
gaatcaaagt gtccacggcn atctagcagt gtgtgacggg tcctgagtgg gtgaacacgt    120
tgacatttcc aagtatgtca gtgtttgtat gaatgggtct gtgaatgtgt gggggttggc    180
ttcccggagc acagtgggtc tgtgcgcctc tgtgagtaca cgtgtgtgta ctacatgtgt    240
gtgtccgtgt ctgtgtctat gtatgggcag attaatcata atttctgttg gtgaatgtgg    300
gtctgccagt ggtgcctgag tgtacatgtg tctgtggtat gtgctgtgcc tgcgtgcctg    360
gatccgagtg tgcatgtgtc tatgtgtgtg tccacacgtg tatggcagtg agagagactg    420
acccagtgtt gcctgatgtc tgtgaaatcc acgcagctcc tcgtttaact ccatcttgcc    480
acttgtttgg ggtccacacc actttccttc gaattccacc acacggacta                530
```

```
<210> 549
<211> 775
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(727)
```

338

<400> 549

```
tggtggaatt cgattaatac agaaactgac atggcgatca agacaacagg atcgagaaaa    60
ctgtgctatg aaaggcaagc ataaagatga atgccacaac tttatcaaag tatttgttcc   120
aagaaacgat gagatggttt ttgtttgtgg taccaatgca ttcaatccca tgtgtagata   180
ctacagggta agtatatttt atgtgatatg cttcttttga tcaacttttc tcccttcact   240
gatatgctgt tagagttgaa atctttctgc tttccagtaa tttgtttttat ctctagtgca   300
atgaaagaat aaagacagaa ttcttcaaat ggaattttaa tacaaataaa atagtattgc   360
cttcaaacgg gcacgttgaa tagatatgac actggctatt tactttttctt ttgtagttga   420
gtaccttata atatgatggg gaagaaatta gtggcctggc aagatgccca tttgatgcca   480
gacaaaccaa tggtgccctc tttgctgatg ggaagctgta ttctgccaca gtggctgact   540
tcttggccag cgatgccgtt atttatcgaa gcatgggtga tggatctgcc cttcgcacaa   600
taaaatatga ttccaaatgg ataaaagagc ccactttctt tatgccataa aaatggaact   660
atgtctattt ttcttttcga gaaatcgtgg caacataata attaggcagg ctgtggattc   720
ccggtggccc gatatgaaaa acaactggtt ggtcccacgg tctgagaaca ttgat        775
```


<210> 550
<211> 1699
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (75)...(1570)

<400> 550

```
ttttttttttt ttaaataaag cgtttattga ttagtagaag catgaacagt gtgcataata    60
ttttcaatac aatatcaggg agggatgatg ggaacccctc aaaaggcact agaggcgcag   120
atcttcggga caagagggaa gagatgcgcc agagaccagg gctggggcag ctggggggtcc   180
ctgagtgcca ggcgccacca cacgtcctgt gggtcaaggc ccctcctctg gggagcaggt   240
ctacggcacg gaggatgcag ggctgggagg ggaccccacc tcggggaccc aaaaggagtc   300
catttcttgc cctgcccccc gcaaagcagc atggggaggg ggccctgggg gttccttggg   360
gtggggggtt tcccagggcc tgggcccatt cctggcttgg acccttgtcc cagggaacaa   420
gaagcttgag gagggacgaa cagccaggcc caagagtgat ttacaaagga cattccaaag   480
aagggatttg gttttttcag aggggggtga cttggtgact gagaggcagc agaggccaaa   540
gcctgacccc agaccctcag ggagggccca cccaacctgt acccctcagg agccccgtcc   600
ggctccccag gcaaccactg aggacctcgg ggtggcctgt agaagacaga acccagcccc   660
attacacccc ttgctgccgc tccatcccca accaccagag ggacaggggac cagagggaga   720
cctgtgggcc aggcgggcag gagggaggca ggctggggcc gggagaaggg gatacacagg   780
cccataaaac ctcaggctcc ccataaccct cactcagcca tctcactcac tcactcactc   840
ccagcatccc ccaggatggg ggtcccctcc ttcactcagg acacttcccc tccgcagacc   900
tgcacgttct gggcctttct catttcaccc caggcctgcc caccccatga ggcacccct   960
aaatctcatc tctccaccca gcaccccag cctggctcca gcctgaagac cccctccttc  1020
```


339

```
cccttccctc cagaacagtg gggaaagcga ggctcggtcc acccctaact gcggaaggag    1080
cagggccagg agggcagcag tgctccctct cccggtcctg gcccagccag ctcctgggtg    1140
agtgggcggg aacccactgg gctcacacca gctttcacct ccctctctcc aggaaggatg    1200
gcagcaccca tgaggggatg gaggccacag aaggacagga agggaggggc tttccagccc    1260
cccagcagtg tccagccctt ggcacaagca ggaaaacccc aaaaccagcc cctgcatttg    1320
agatcatccc acagaagaga aaacagggag caagaaagtg ttgactgaac ccaataaagt    1380
gactcaggtg ggcccgctcc ctggcggtgc cacacagccc tgccccgcct ccacccacaa    1440
ggcacagacc agggtgccct ccccagagct gagcctgcct gggtccggaa gggaacggcc    1500
tgtgccatgt gcagcagtca gggacccact ggcctagaac tcagtctgca cccctgcact    1560
gtcctcggtg gtggtgtgaa gggcgggggt actactgggg ctggacacct gctctccagt    1620
ctccagatcg ataagcttgg ggggaacaag gtccacagcc tttccaggca ggaggtgggc    1680
agaatttccg acgctctat                                                 1699
```

<210> 551
<211> 787
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(772)
<223> similar to gi5689485 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 551
```
atacaaggct caattccgaa ctgttgaagg aagaagaaag caacaaaaga ctggaagctg      60
aaattgaatc atcagtctag actgactgct gctataagta agcacagtga aagtgtgaaa     120
acagaaagaa acgtaaaact tgcattagag tgaacacaag atgtttccgt acaagtaaaa     180
atgagttctg atatttccga agtagaagat aagaatgagt ttcttactga acaactttct     240
aaaaagcaaa ttaaattcaa taccttaaaa gataagttcc gtaagaaaag agatactctc     300
agaaaaaagt cattggcttt agaaactctc caaacgacct aagccaaaca cagcagcaaa     360
taaaggaaat gaaagagatg tatgaaaatg cagaagctaa agtgaataat tccactggaa     420
agtggaactg tgtagaagag aggatatgtc acctccaacg tgaaaatgcg tggcttgtac     480
agcaactaga tgacgttcat cagaaagagg atcataaaga gatagtaact aatatccaaa     540
gaggctttat tgagagtgga aagaaagacc tcgtgctaga agagaaagt aagaagctaa     600
tgaatgaatg tgatcattta aaagaaagtc tctttcagta tgagagagag aaaacagaag    .660
gagtagtggt tgtgagacaa cttcaacaag aagtggctga cagcgtaaaa aaattaacga     720
cgttagagtc tccactggaa ggtatatcac gttgtcatat taatttggtt gagacacagg     780
cctcaaa                                                               787
```

<210> 552
<211> 1438
<212> DNA
<213> Homo sapiens

<220>

340
```

<221> misc_feature
<222> (1)...(1439)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (204)...(1434)
<223> similar to gi537432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 552
```
tttttttttt ttgggtgata gaaagtnttt ctttatttga atgtcattcc acctgcactg   60
aagcttaaac ccagcagcag cagaagggt caggaccaaa ataaatgtta ccaaattaga   120
caatgaacag cgaggacaca ctcagacaaa acttactaat ggggtataga caacaccaag   180
ctatcctaac agcacacagc acaggccctc ggaggcctgc ccatcagagc tctgcggaag   240
gctcccttgt tccctgttca ggaaactcca gtcccaccca aaggttagct gtgggccagg   300
caggggcctg cagaagtttc tggtgctggg aagatcccag cttctccaaa gacagggttt   360
ccctttctct ttctcagttc acactggaag ctggagaaag gttattcccc gtgtgcccaa   420
gcaggatgct caaaaggcca gggactctcc ccacagcctt atctaaaagt tctcatcatc   480
ttgggctatc aggcctgaaa aggatcttga ttctttggtc cctcaccccc ctcaaggaaa   540
gttttccctt ccatgggtac cggtccccaa agacgaaagt tttcatagcc ccggttccca   600
gaaggactca actgaccaga ctgtgggcca gggactgaac caccctagg ctgtggctgc   660
cgtggcctct cctgagtccc cagatcaggc agagaaaagc gggcaatggc agaccctga   720
tcacagttag ggggtcaca gttaggggg gacttctctt gggacctgaa gccggaaggc   780
tctaggttgg ggcccaacaa ggccctcctg gggtcagaaa caggcactga tctcctctgc   840
ttacctcctc ctgaaggcta aagccagatc gcccgacgag agcagaggca aaccacaaag   900
ccccctccc atgatgtctt tattgcccca ggagggccat cagggcctca cctggggccc   960
ccactggagc acctgccacc tgccccatcc acacctctgc agaacccagg gccccagtct   1020
atggtttggt ccccactctg acttctaccc cttgcctgtg tcaccctggg gttcccgcag   1080
acttcagccc acacaactct gccttcctga ctccaaactc cctggtgcat ctccccctgg   1140
ctctgccaag atggcagctg gccaggtgcg gtggaatggg aatgttgcca ggctacccca   1200
ccagggaact agcctccctc ctctccaccc ggcgctgacc cactcctaag tcagctggac   1260
ccactacgtc ctctgaagtg gcttccttca ctccagttct tcccaaaagg atgcggcctt   1320
ggctgcctgt gccccgggcc tccagcctct gaaaggtcag ttctatcccc cgcaccaggg   1380
cacaggtttg gtgggtgtcc ttggggaaca aggtgtggca aggacacctg gtggcagg   1438
```


<210> 553
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (65)...(799)
<223> similar to gi2072948 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 553
```
gtagcacaat acttgatgtt agatttaatt acattaaatg ctctttggac aaaatgctcc   60
agttaaaaga caaggtgtgt tttatatgct attaacaaaa aaaaaaaatg aaattaaaaa   120
tacacaattt acaatagact aaaagaaaca taaaatattt acaaatcaaa cttaagataa   180
gcaagaccac aatggacaaa aatataaaat cctattggta aaccttaaag aagacccaaa   240
tggaaagaga ggtaaaccat gttcatgaat cagaaaactc aatattgtaa agacgtcaat   300
tttcccaaaa ctgattgata gctataataa attcccaaac tatcaagtgc atcattgttg   360
ttggaattga caagctgatt ttaaaactta tatgggagaa aaaccttaca tgaaaataca   420
aagagccaga atagtcaaga cactctcaaa gaagaaaaat aaggtggaaa agacttactt   480
tatcagatct caatacataa ttgataataa tgaagacagc ttgatattgg cacaagaaca   540
gacagactaa tggaacagag gaaagaatcc aacaacagat ctacatatgt catatgtgga   600
catatgacag aggtggcatt gcagatgggc gcagaaagtt agattacaaa caatgatagg   660
acaggtgtgt aaccctatgg agagaaaaaa atgaaagtga atccttacct cacaccatat   720
gcaaaaaacc aaatctaggt gaattaaagg cctaaatatg aaatttacat ttataaggat   780
ttcagaatat aatctaagag actatcttca cggacgggtg ggtcgacccg gaaatgaca   839
```

<210> 554
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(373)
<223> similar to gi56589 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 554
```
attctttgta agatacaacc ctcctagctt aaatcaggaa gaattagata ccccgaacac   60
tccaataaca agtagtgaga ttgaaatggt aatttaaaaa ttaccaacaa agaaatgtcc   120
aggaccagag agattcacag cagaattcta tcagacattc aaagaagaat tggtaccaat   180
cctattgaca caattccaga tagagaaaga gggaaccctc cctaaatcat tctatgaagc   240
cggcatcacc ctaatatcaa gaccagaaaa ggacataacc aaaaagaaa ctgaagacca   300
atatctctaa tgaacacaga tgccaaaatc cttaacaaaa tactagttat ccaaatccaa   360
cagcatatca aaaagcca   378
```

<210> 555
<211> 520
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(375)
<223> similar to gi2072961 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


342

```
        <400> 555
aatgtaaaca cacctgacac aggagcccca gttattaaag taagagttat tcgagcaaca      60
gacagagaca gacaataata ggtgggggact ccaacaccca ctttcagcaa cagacacacc     120
ctctaggcag aaaagtaaca gaccagactg actccaagag aagtcaaagg gacctcacag     180
gtaattacag aacatttcac ccaccaactg cagaacgtgc attcttctca tcagctcaca     240
gaacattctc caggatagac cacattttag gccacaaaac aaatctcaaa agagcattta     300
aaaagtgaaa atcatagcaa gtatcttctc agaccaaaga gaaacattgg aaactctcca     360
ggtacatggt atataaataa tggtaatggt cagtgaaaaa atcaaaagga caaaaacatt     420
tcttggaaaa aaaaggaaac gagagaaaaa aatgcatata gtaggtgttt ttgaagtaaa     480
aaatacagag caataaaatt caaagataca atgaaagaaa                          520
```

        <210> 556
        <211> 716
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (9)...(659)
        <223> similar to gi19927 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

```
        <400> 556
cctctgcccc atgggactcg ggccccttgg ctcgtcctgg ccagatgcct ccaaggggtc      60
tgtacgctct cctcgcacct ctggagagcc ccttctcgcc ctgccccagc ccctcttgag     120
gtcctggccg cctggcttct ctgcttccta tcagcaagag ctccttccgt gcccagcctc     180
cacagtgccc ttgttagggt gccggacccg ggcgccacct gggggcaggt ctcagcttcc     240
tctcacgctc ctccggcagt tccccatgca gatggccacg cctgggcccc tcctcctagt     300
ctgtgaatgt ggtctgtccc atggcacagc cttgggctcc cacatgcccc tcagggcctt     360
accaacccca catgtttaag tgctgccccc ttcggggatg gctcacttgc tgggatcgcc     420
atcctccctt tgttcaggcc ggacccctca aagccacctc tgactcccac agcagggagc     480
ctgtcagccc ggtgctctgc cttcagaccc tgagccagcc ctccccaggg ccccctgcac     540
ccatctcctc ccaccacagt agtgaccagc agcccggcct gcacctccag tcactgccca     600
cgaagcagcc cgaggcaggc gcagggaagg agtgggctct gactcctcag ccctcctggg     660
aggagggagg cctgacacca cactcagttc taatactcct ggcccggacg cgtggg         716
```

        <210> 557
        <211> 678
        <212> DNA
        <213> Homo sapiens

        <220>

<221> misc_feature
<222> (1)...(679)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(678)
<223> similar to gi56689 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 557
tgctccgtga cctggaagga tcatattatc tccgacagga aagggatggg cttttgtttg   60
gtccatatga aagtcaagag aaaatgaaag ttcaggactc ctgggtcacc aatggagttc   120
ctccaggttt tggaaaggaa ctctttgagt ctgatctaga tcgaatcatg gaacacatca   180
aagctgccat ggaaatggtt cctgtcttga aaaaggctga catcatcaat gttgtcaatg   240
gtcctatcac gtattctcct gacattctgc ctatggtggg gccccatcag ggggtcagaa   300
actactgggt ggctataggc tttggatatg gcataatcca cgctggtggg gtagggaaat   360
atctcagtga ctggatcctg catggagaac ctccttttga tctgatagaa ttggatccta   420
atcgctatgg caaatggaca acaacccagt acactgaggc caaagcaaga gaatcatatg   480
gattcaacaa tattgttggt tatcctaaag aagaacggtt tgctgggagg ccgactcaac   540
gagtcagtgg gctctatcaa aggctggagt ctaagtgttc catggggttc catgctggct   600
gggagcagcc gcactggtta tcaaaccagg ccaggcacga atcgtgaccg gaatcgtgac   660
ggtgnnnnng acggtttc   678

<210> 558
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(703)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (702)...(27)
<223> similar to gi3153821 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 558
caggaggcag ctccgccaga gacgcgggtc gtgcttcggg aaaccggggg gcggggggag   60
gggaagagcg cagaaaagaa aacccaccaa ggcggggact ggcctgagcg gggaggggcg   120
gcgaggccgg agccctctc tgttgggcgg actccccatg gccagaggct gagctccact   180
cccgccggcc gctccctagg ggaaggggaa ggagagggga gagcagccag cgcccagggt   240
ccctctgtgc tttttcgctt tcctaagctc ctgtcgctcc tctttgtccc ctcagtttat   300
gtcctcctgt gctcacctcc ctgacctctg tgaccttgca ctcccctggc ctgaagctgc   360

344

```
ctctctgcgc gctttctact gggctcgtct ctttccggag ccccagcgtc tcctgcccaa    420
attcaccgcg gaaagggccc ggggcggagg tgcgaccggg cgtcggcagc gcagacctct    480
tggccttctc tcacaggtcg gtgcgctcgc tctccgcgtt ccccgcccga ctgccgtgca    540
gtccatggct agacgcgccg gacaggactg atggcgggac cgcgctgccc gagaaaggga    600
cggaccaata cgtgtgtttg ctccgcgaac cctcttgaag ctgttcagaa gccgcttgcc    660
gcggggccca ctaggcgggg cggnggttgg gacccagcgg ga                       702
```

```
        <400> 559
caagctgacg cctcaggaga agctgaaact gaggatgcag aaggcgctga acaggcagag      60
gccatcaagc atgccaaggc tcttgaggag gagaaggcca tgtactcggg acgccgctct     120
cgacgccagc ggagagagtt tcgggagaag cggctgaggg gtcgcaagat cagcccaccc     180
agctatgccg gccgagacag ccccacctat gacccctata agcggtcacc ctcggagtcc     240
agctcagagt cccgctcccg ctcccgctcc ccgaccccgg gccgcgagga gaagatcacg     300
ttcatcacca gttttggggg cagcgatgag gaggcagccg cagccgctgc tgccgcagca     360
gcatcaggag tcaccacagg gaagcccccc gcacctcccc agcctggcgg tcccgccccg     420
ggacgtaatg ccagcgcccg gtcggtaacg ctcacgccgc ccgccctacg ccccggtcac     480
catggggggt acccggagca gaggggggcc gcggctcatg cctgcgctga ccggccctcc     540
gtgccccgcc tgcagccgcc gctcctcctc ctcctcctcc tcctcttctg cctcgaggac     600
ctccagctac cgctccagct ctcgctccag ctcccgctct cgccgaggtg ggggctacta     660
ccgctccggc cgccacgccc gctcccggtc ccgctcctgg gcccgctccc gctcccgctc     720
ccggcgctat tcccgggccc gtagccgcgg ccggcggcac tcaggtgggg gctcccgaga     780
cggacaccgg tactcccgct cgcccgcccg gcgaggaggt tacgggcccc ggcgcagaaa     840
caggtgtgtg tggctgggcg tggaggtggg aggggctggg ggggcgcggt ctccgatcct     900
ggggagaagg tgctcagagg gaggaaacct ggccgtccag ctcagagaac accccatcta     960
aggggacagg cacaggccac tgctcttccg caggaagccc ttggttggaa agggcaaggc    1020
atgggtgttt gcgtgcgcgt tctggtggca gtggaggtgg atcccagccg ctgtttttcca   1080
cgacagggtg tggagaggag actgtgcatc tctctctcct caggagactg ttttttgctgt   1140
cagggggttcc aggtggaggg gagtagaaag cgcatggacg ctccagggtt ttctgtagct   1200
tgaagggacg ggtccgggcc ttgagggctg ggaaacccct tgcggagggg gagggcgcg    1260
ttcctgtgtg gccaggagcg gatgggggaag cgaagcgggt ggaaaaaatc aagacagctc    1320
tttggcctgg cgtggtggct cacacctgta atcccagcac tttgggaggc cgaggcaggc    1380
ggatctcctg agctcaggag ttcgagacca ccctgggcaa catggtgaaa ccccgtctct    1440
actgaaaaaa aaattagctg ggtgt                                          1465
```

<210> 560
```

345

<211> 1297
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1207)...(674)
<223> similar to gi4050088 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 560
```
tttttttttt ttaagggata gagtctatgt tgcacagtct ggtcacaaac tcctggcctc      60
aagtgatgtt tcctcctcag cctcctaaag tattgagatt acagctgtaa gccactatac     120
ctggcctcaa aattatatta atgtctatta gttaacttga attgtttgtg cttgtcttgt     180
tggttttaac cctacttata tacaagaatt caaaagtatt ttcaagccct atcatttagt    ·240
tgtaaaatat acccaactca catttataga ctgccaacta acttgaatgt ttgtacaggc     300 ·
atttctgctg tgatgccatg tgtacctaaa taaaactcac actctataaa atcacacact     360
aaattaaatt aacagggcta tagaaaaaaa gagttatagg cttacctctc aaaatctata     420
gacttttgtg actagaaagc actaaaaaac agcaataata tcatataaac agtattactg     480
ttaaatctct ctgctagcat catagtccgt ggatgctttg cagccttaag ccctgggacc     540
tctgctgctt cctttaagat gcaggtactt gattcatttg cttctcaaag agatcagatg     600
catcagaatt aaaaaggtat ttcaggatgg gaggaagggg gtaagagatg tctctgcagc     660
ttcttcaact gcactctgat tcctcagata gcttactata atggagtaaa tatttttgaa     720
gccattaaac tagccactct aaaggaagcg gtttttaaga ttttcaactt tgttataagg ·    780
ttttatattg ctaagggttc tctttgatta tgagaaaatt tacccctggt agcttcaaaa     ·840
taataccttg ttgggaaaaa ctgcattcca taaatacaca ctgtagaaca gattgtacct     900
ttcttggcat cttgcatttg tttcatgatc tcctctcttt ctgcttgttc agtggctgtt     960
gtgacacgga atgatccttc tcttgtaaaa gtggtccgac tagcatcaaa agtagcagtc    ·1020
actccacatt ccttctcccg cttctgcttg cgctctaaac aggctgcaaa agcacagcct ·   1080
actgcatggc tcaacctttc accctgtaag agcagatttt aaaagctttt cagaattaca    1140
ctactaacaa ttacatacaa ataagtcttt tgttttgttt tgtttttgag acagagtctt   .1200
actgttaccc aggctggagt gcagtggcgc agtctctgct cactgcaacc tccgcctcag    1260
ggctcaaata cttctcgtgc ctcagcctcc tgagtag                             1297
```

<210> 561
<211> 1328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (234)...(1161)
<223> similar to gi3873550 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 561
```
tcctaaagtg ctgggattac aggtgtgagc caccgtgcct ggcggacata gtcttttaca      60
```

```
aatcctgtta gtaaacgtca catcattcac aaactcatcc tttcagcaaa cactgagcat    120
ctatcctgct agccacagtg ccaagcggtt taccttgatc caagctatcg tctatttctt    180
ggaatctcac tcttcgctta gatggtttgt gttgcatttg ggcaggatga tctcctacag    240
tatcattcct cttctttaat atggagacca atccttcagt aggaacaacc tctgcaatct    300
ctatcctttt ggcaagatca tcaagagaaa gacagctctc atcagaaggc agattctcct    360
ggagactata ggatgcttct tcaggagaga gatcttgaag gagatcggag tcgtcgtctt    420
ggttatcttc ataggaaagg gaatcttcag tatcttttaa acatcctttt aaaaggctgt    480
tcaaatagtc ttctgtttct ttgttgagtt ggtcgtcttt atctcccttt tcctctgggg    540
ccatacacac ctctggaagc agtatgccta agtcagatat ttgattattt ccacagagca    600
cattctcaga accgtctgag tcagcctgcg cctgtggtga ttttccatca ctgtctgtaa    660
gatcaggctg ctgcagctca tttaattcat tgttctcaag ttggtctgtg ggcaacgcct    720
cagaagcatc ccgaagtggc aaacggagtt ctttcctctg agcctgtgaa tatttaccct    780
cagaaatcaa tgcaggaggt atacggtcac agcctggtga aatcaacggc tctgtctttg    840
acttgctgga aagaaacacc ttagggtctt cagcaatgcc ctctattctg gccacatcct    900
ggcaggcctc tgtttgagcc agctgcaagc gactgtcatc ctcacaagca tcctcagaag    960
agtctggccc agacgggctc cctgctgtct cggaggactg ggtgtggagc gctaacgtgg   1020
cttcagcgct gcagagcagc tcctccatgt ggtcctttcc tgcagttacc gaaaggcttg   1080
gggaatctgt ttgcacgtcc atctgatgac agcagggact gctccccagg ggctccactg   1140
tatgttggct ttctttactt gactctgtgc cgagacaagt tttactctct aaagatgaag   1200
aaaaataaat tgttaaaaat tcaaaacaac actttgtata ggaaggaaaa gaagggacat   1260
atgaatatgt gtaatacagc aatattctaa ccctttcaaa tggaaatctg tctgttgcat   1320
aatagtgt                                                             1328
```

```
<210> 562
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(444)
<223> similar to gi56590 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 562
gcaatgacaa gatcccactg tacagctatt aagatggcca aaatccagaa cactgacaac     60
atcaaatgct gacggagatg cagagcagca ggaactctca ttccctgctc gtttgaatac    120
aaaatggtac agtcactctg gaagacaggt tggtagtttc tcagaagact cctggcatat    180
gatccagcaa ttgtgctctt tggtcgttac gtaaataagt tgaaaacgtc tatccacaaa    240
aaacctgcgc acagatgttt gtagcagctt tactcataat ttccaaacct tgtaagcaac    300
caagatatcc ttcagtaggt gagtgcataa actgtggtgc attcagacaa tagaatatgc    360
agtgctaaaa tgaagtgcgc tatcgagcca caaaaaccta accaaagcaa catggaggaa    420
ccttacatgc atatgttcta ccag                                          444
```

```
<210> 563
<211> 2320
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2323)
<223> similar to gi4140029 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 563
```
gcggccgcag aagctgcggt tgaagccgtg ggcgcagatg tcaggcactg ccggtgccgt      60
cgtgccgtgg tacagcacct gctccaccgg gcgccgctcg catcgctgca gcaggcgctc     120
ccggtacagc tcatactgct gctgcagcag cgggtgcgac acgcgctcca cacgaacgac     180
gcggatgctg ctgcgggcag cgtccagggt gtcgtagaag gcccgcacca cctcctggaa     240
ctccccggtg ttctctgcca gacgctccag gttgttccag ggccccttca gcgtctgccc     300
cgccaaggta gggcctgaag ctgccaaggg aaaggccaaa ctctgatccc aggggccagc     360
cagaagtgcc accaagtggc gggcagcacg ggcagggtgg gccccgaagc cacggaggat     420
ggtgcagtca ccacgcaggg caacactcac accatggcac cgctccaggc gagcacgcag     480
ctctgcaggc agtgtgcggc gccagggccc caccgtctcc tcctggacgt ggacctccaa     540
ggcagccctg agcgcccggt ccagctcctc cacatcctgc tcaaaggccg agtgcaccac     600
cagctgggcc ttgccatcag tccccccatc tgggggctct tctgcctcca acggggggctg     660
ctccagcagg gagagggtta gggcttgccg cagggcagca gcctcctcct gctcagccac     720
ctgaccttga ggctccagtg accggtggag ggccagctgc agagcggcct cctcctccag     780
ccacctgggt gccacagtgc tggggggccac aggctcctcc tcctcatgcc ctggggtcac     840
ctcctcctct ggctgctcct gaggcccttc ctcctccagc tcccgaggca gccagtcctc     900
cccgtctagg tctaggccct ccagggtggc cagcagttct cggacctcct ccaggctcac     960
gtcctcctgg tcaccacctg tactgtctgg ggtccacagg gtgtgggcgt tgccagggag    1020
cactgggagg gcctcggtag ggtccacctc ttcaaggcct gtgtccaacg tggctgtggc    1080
caggcgctct gtcccaaaga cacactggaa ctgagcctcc agcccctgga gaaggtgctg    1140
cccttctggg cccaggagaa acctggcgct gcccgggtgc tccaggcaca acacatggca    1200
gctaatgctg cccagcaggc tccgcagaaa ctcctcagcc gcctggcagg aagcctgggc    1260
tccacagagc cgaaagccag tcatatccgg tccttcaagt ggcaagagag cgacgtctcc    1320
caggcccgca agaaggtcct catggtagag ctgcaggaag cgcatcgccc ctggctccat    1380
caatagcacc atctccacca ggccctcctg ccctgccagc ttcacacatc ctgggctcac    1440
aggccctgcc ttctccagag accccatggt gatctccatg ggacccacca gcccctcttg    1500
ctctggtgag tccatggcaa tttccaccag gccctcctgc cccagcaacc ccttagaggt    1560
ctccactggg cctgcagacc ccacaggccc caggctcatg ggcccctcct gttcctgcaa    1620
ccccacaggc ctcaggctta ccagccccctc atgttccaga gaccccatgg gcatcgagct    1680
gacttgctct gcctgtccca gagaccccat gggacctgtc ctcagagagg tccctgactg    1740
ccctggttcc tggccagagc ctgttgtcat aatccctcta ccctgcacca tgggacctgt    1800
cctcagagag gccctgact gccctggttc ctcgccagag cccattgtca cagtccctgc    1860
accctgcaga gccgtcacca accctccggt cctcaggaga gcatgcttgg tagccctagg    1920
ccctggggtg acgggtggt cccctccact ggtgttctca gccagctcct cgggctccag    1980
gatgtcgtag tggggggacaa ggctcagctc tgagccctgc aaccggtgct cctgctgcaa    2040
cactcgttct gccacttgcc actgctggaa ggaggcaaca gtgcccaggg gcccgggtag    2100
gcgttgcagg tcctccaggg gcccccccacc actgcggcgc tcattctcca ggtacaactc    2160
cagcaacagc aggtccacag aggcaccatc ccccaccaca cgcaccgctc gggcctgggg    2220
aacccgggcc agggacacca aggtcccctc caggcccaga ttctgggcct gctcctccag    2280
gacaccggac gcgtgggtcg acaaggaatt cggggatcgc                          2320
```

<210> 564
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(709)
<223> similar to gi2739353 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 564
```
tgcctgcggc accggccctt aatggccggg tcgacccacg cgtccgagaa tgtggcaaag      60
cttttaacca atcctcatac tttactatac agaaattcat actggagaga aagcctacaa     120
ttgtgaagaa tgtggcaaag cttttaacct tccttaaccc ttaactgtag ataagaaaat     180
tcatactgga aagaaaccct acaaatgtga agtctgtggc aaagctttta actgattctc     240
aactcttact acatgtaaga gtatttatac tggaaagaaa ccctacaaat gtaaaaaacg     300
tggcaatgcc tttaactggt cctcacacct tgctacatat aagacagttt atactttgag     360
agaaaccctg caaatgtgaa taatgtggca atactttaaa ccaatcctca aacctcacta     420
aacataagat aatactgaaa actttacaaa cctgaatgat gtgacaataa ttttgacaac     480
acctcgaact ttctaacata aatcatactg gtgaaaaatc ctagaaatgt gaaaaatatc     540
acaaagcctt taaatggttg tcacacttga ttgtaggtaa gaatccatac tgaagaaaac     600
tcctggaagt gtaaaaaatg tggcaacact tttaataaat gctcacccct tattgcacag     660
gaaagcattt atacttcaga aagattgtac aaatacaagg aatgtgga                  708
```


<210> 565
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(410)
<223> similar to gi3002527 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 565
```
tttttttttt gagatggagt ctcgctctgt cacccaggct ggagtgcagt ggcgcgatct      60
cagctcactg caagctccgc ctcctgggtt cacgccattc tcctgcctca gcctcccgag     120
tagctgggac tacaggcacc cgccaccacg cctggctaat tttttgtatt tttagtagag     180
acagggtttc accatgttag ccaggatggt ctcgatctcc tgacctcgtg atccgccagc     240
cgtggcctcc caaagtgctg ggactacacg tgtgagccac catgcccggc cttgttttttg     300
tttttgccaa gtttcaccat gttgcccagg atatcctcaa actcctgggc tcaagtgatt     360
tttcagcctc agcctcctga gtagctggga atagaagagc atgccactgt gtctggc        417
```


349

<210> 566
<211> 706
<212> DNA
<213> Homo ·sapiens

<220>
<221> misc_feature
<222> (670)...(652)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 566
```
ttttttactt tcttgatgaa gttaattctt catttaggag gctcagtgtt ctgaaaattt      60
gttctttttcg atgctataat aaacagaatt gttttcttaa tttccatttt agattgttca     120
gtgttagaag aaatacaact gattttttgtg tattgacttt gtatcctgct actttgctta     180
attggtttaa taattctaac agtttttgtg tagaatcttt agggtgtttt acatataaga     240
tcatatcatt tgtgaacaag taattttgct tcttcctttc taatttggat gtcttttatt     300
tcttttttctt gcctaattgc tttgacaaca acttcaacta ttcagctagt ggtcatgttg     360
agtacaagtg gtgaaagcag acatacttgc cttcttcctt atcttagagg aaaagctttc     420
agtctttcac cactgagtat gatgttcact gtgtgtgttt tgtatatggt ttttcttagg     480
ttgacatagt ttccttctat tcccatgtgc acttgagaag aatgtgggtt ctgttattgt .    540
tagagttctg tgtctctttg gtatattgag tttggtcatc tcctctattt ccttacttat     600
catatgtctg ggtggtctgc ccattatgga gaatgtggta ttgaagtctc cagctattat .    660
tgtagaacca tttctttctt caattctgtc tcattttgc tacttg                      706
```

<210> 567
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(438)
<223> similar to gi1174092 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 567
```
caccatacta ttaaatttaa tttgttcagc aagattgcag gacataagat taatatacaa      60
aatcaatttt gttatatata cttgtaatga ataatatgaa ataaaataga aacaataatt     120
cgttttctaa tagcatgaaa aagataaaaa acttaggaat aagtttaaca aaagaagtgt     180
aaaacatata ccttaaaact ataaaacatc attgaaagaa actaaagaag acctaaataa     240
ctggaaaaac attccatgtg catggatcag aaaacaatat tttaaaaatg acagtactct     300
tcaaattgat ctacagattt aatgcaatct ctgtcaaaaa tctcaaatga attttttttaa     360
ttgacaagta gatactaaaa ctaatatgga aattcaaggg acccagaata gccatgacaa     420
tcctgaaaca gaagcaca                                                     438
```

<210> 568
<211> 382
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(382)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 568
```
acaccatgat caagggattt atcccaggaa tgcaaggggtt caacatacaa aaatcaatca    60
atgtaatatg ccatgttaat cgaataaagg gggaaagcca caatatcatc caaattgatg   120
cagaacattt tttttgacag attccaacat tcatgataaa aatattcaac atccttggaa   180
cagaaactcc ctcaactaga taagggacat ctatgaaaaa cccattgctt aacatcatat   240
ttactggtga aagaccaaat ggcttcccca ctaataacag gaacaagact agactgcaat   300
taccaaataa ggtatctgga ttggaatgga agaagtaaaa ctatctctat tgaaaaatga   360
catatccgga cgcgtgggtc ga                                            382
```

<210> 569
<211> 1172
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(435)
<223> similar to gi559707 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 569
```
aggccgcact tactgggtgc actggcacat gctggagatc ctgggccctg aggaagccac    60
tgaggataag gcttcagcag ctgtggagaa gggggcaggg gctactgtgt tgggcacagg   120
tgagcctaag aggggacatg gatagcatgt ctctgaacag aggattagtg actgggatga   180
agccacttct gaccaggagc agccctaggg gtccagaaat agaccccatt cctgaggggt   240
gctgatgccc gccatgcctg tgtcctcagc atttccctcc tgggactgga atcctatgga   300
tgggctgtac cctttgccgt acctccagcc cgaacctcag aagaatgaga gagtgggata   360
tctgacccag gctgaatggt gggagctgct tttctttatc aaaaagttgg acttgtgtga   420
gcagcagcca attttccaga atctttggaa gaacctggat gagaccctgg gtgaaaaggc   480
cctaggtgag atctctgtgt ccgtggaaat ggccgagagt ctgctgcagg ttctcagtag   540
tcgatttgag ggcagcactc tcaatgacct gctcaactcc cagatctaca ccaagtatgg   600
```

351

```
gctgctgtct aatgaaccaa gcagctcgtc tacttcacga aatcactcct gtaccccaga     660
tccagaagag gagtccaagt cggaggccag cttctcagag gaagagactg agtccctcaa     720
agcaaaggcc gaggccccta agacagaggc cgagcccacc aagacaagga ccgagacccc     780
catggcacag agtgattctc agctgtttaa ccagcttctg gtgactgagg ggatgaccct     840
gcccactgag atgaaggagg cagccagtga aatggccaga gccttgcggg gtcccggtcc     900
tcgcagctcc ctggatcagc atgtggcagc ggtcgtggcc actgtgcaga tatccagctt     960
ggacacaaac ctgcagcttt cagggctctc tgccctctct caggctgtgg aggaggtcac    1020
tgagcgggac caccctctgg tccgtcctga cagatcgctg agagagaagc tagtgaagat    1080
gctggtggag ctgctgacca accaggtggg agagaagatg gtggtcgtgc aggccctgcg    1140
cctcctttac ctgctcatga ccaagcacga gt                                  1172
```

<210> 570
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(6)
<223> similar to gi1196433 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 570

```
tttgttctaa aatttgaatg gaagtgcaaa agacctggag taatcaaaat aactaattaa      60
aacaaagttg gagggctcac actgtctgat ttctagactt aaaaagctac ggttgttaaa     120
acagtgtggt gtcagtgcaa agatagatat attaatggaa cagattgggg tgcagaaata     180
gacctacaca tgtatggaac attgattttt gacaaaggca taaatgcagt tgtgcagaaa     240
gaaggtagtt gtttcaacaa ttggtgctga aactatttag taggcagaaa gataggactc     300
agacctcata ccatatttaa aaattaactc aaaatggatc acatagccaa atgtaagacc     360
taaaattata aagttgccag aagaaaatct ttgtgacctt gggttaggca ataattttt      419
```

<210> 571
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(352)
<223> similar to gi854065 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 571
```

```
tttattgggg cataacatgt acacagtatg tgtatacctt gataaatttt tacatgtata        60
tacatatgta cgtgtatgta tgtgtgtata catatgtacg tgtatgtatg tgtgtataca       120
tatgtacgtg tatgtatgtg tgtatacata tgtacgtgta tgtatgtgtg tgtatacata       180
tgtacgtgta tgtatgtgtg tatacatatg tgcgtgtatg tgtgtataca tatgtacgtg       240
tatatgtgtg tatacatatg tacgtgtata tgtgtgtata catatgtacg tgtatatgtg       300
tgtgtacata tgtacgtgta tgtgtgtgta tacatatgta cgtgtgtgt                    349
```

```
        <210> 572
        <211> 432
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(362)
        <223> similar to gi3044086 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters
```

```
        <400> 572
ccctccccag cctcctcccg caagcagtac ccacaggcgg cccacgtgcc ttgggctttg        60
ggccaggcca gccagggtgc cctggaggat gtggccggga tgtccggcaa gccccgaccg       120
cctccctccc accgcgtcca tgggccccac cccaggcagc cgccgtcctc ccccagctct       180
caggaggggc gtcagggcgg agggcactgt gcctctcgcc agctcctgtg ggctccagcc       240
ctcggcctgg tgcagattcc aggagccgga ggttctttat cctgagctga tgtccagggg       300
gacttgcaga ggaggcccgg cacggggtcc tccaggggcc tatccgtgtt ccccgtctgt       360
ctgtcggaca ctctggagcc aggctgctgt gctgtgacgg gcagtcagca gagcagttta       420
gtccctggcc cc                                                           432
```

```
        <210> 573
        <211> 904
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (248)...(724)
        <223> similar to gi190486 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters
```

```
        <400> 573
cagagagaga ggtgcttgtg ggattctgct ggctggagcc aggaggtaag tgtgaacagg        60
gaggccaaag atgaaagtta tctgaaagag cccgtacccc ctataaacac ggcagaggaa       120
tgtcttaaga gccaccaaca gtaattccct ttccggatgt taacaggtta tttgtatctt       180
```

```
atgtggcgtc gtaaagcatt ctggagtggc acacaacgtc atccccttcc cggtggtctg      240
aagaggagga ggagaccagg gaggggtcct tggccagccc ctggcggcca aggggtgggt      300
ccttctgctc tatagaaggc aggaagcccg ccagctaacc gcccgggtca gggggagcag      360
gcctgatctc tcccaagcct gtgaccgagg tcctgcctga tgtccaaggg gcccctgtgc      420
cagtacccc acttcccacg ccccccagcc ttcctcacct ccagaatcag ccgcccaggt      480
gcagcactat ctcctttctt tttcttggaa gccgtctcag gggcctgagt gacgggcctg      540
accgtccccg ctaccgcctg ctgccatgcg accagatggc tgacccggcc cggcttctca      600
gggcccagac cagcctggcc tcgtgcccac ctgcttcgct cccaacctca ccaccaggca      660
agggtttcca gaaaaccgag acacgcaaac acccaccacc acgacaacaa cacaaaccaa      720
agtgcactgc gaaccgccct ttggcctcct tcttgtaggt gccttgaaac ttcaatgttg      780
agatgaatgt gattaactac ttggtcctat tttctgtttg tctattttca tagaaaatgt      840
ccaagtccac ttgccttgtt ctttcttgaa ataaatagaa agatttaact ttaaaaaaaa      900
aaaa                                                                   904
```

<210> 574
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(294)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 574
tttttttttt ttgggacgga gtctcgctct gtcgcccagg ccggactgca gtggcgctat       60
ctcggctcac tgcaagctcc gcctcccagg ttcacgccat tctcctgcct cagcctcctg      120
agtagctggg attacaggcg cctgccacca tgcccggcta acttttttgta ttttttagtag      180
agacggggtt tcaccgtgtt agccaggatg gtctcgatct cctgacctcg tgatccaccc      240
gccttggcct cccaaagtgc tgggattaca ggtgtgagcc acctcgccca gccaactgag      300
gcttaatttc taatcac                                                     317
```

<210> 575
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (71)...(928)
<223> similar to gi1334643 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
        <400> 575
cacgaggcgg ttgttgccac acaagatggg ctgcaggccg gcccagagct gtacgaagtc    60
tgagcactgg ccctacagcg tgtccggggt ggccagtgct gcagcagagg gtgcgccctc   120
ctcagcggtg gcgttggggc ccatgactgc ccctgcccca gtgccattgg ccgccccacc   180
cgcaccactg gctggggggtc cgggggtccg gccagtgcag gcaccctggg gcagtagcag   240
ggccagggcc gacaggacat ccacatcctg cagaaccttc tgggcatcca gcaggtcccc   300
cagaagcgcc tgcagcctcc gtgggggtgg cgcctgtggc gaggagtccg agccgttggg   360
ggcatccagg cccagctgct gggagacctt ggccacgtcc agctggttcc ggagctcagc   420
agacagccca gagaagcgcc tggcacgcgc agcagcctgc ccactgcaga cagcatcccg   480
gtagccctgc agggctccct tctgactctc aggcacagtg aggatccggc ccagctcccc   540
cgagcccggc gtgcaggtga gctgctccag gagggcagga gccagcagca gctcctccat   600
ccggaacagg ggattgcccc ctaggcggct ccagggctcc tgacccttgt ggaggccaga   660
ctgtgaatcc agggcagatg agggaccaaa gagcaggtgg tagacctcgg gcgggtccac   720
acgggcggcc aagagtgctt gggccgtgct attgggcagc gacaagtttt gcgtcaggaa   780
acgccagagc tcctgcgggt ttctggccac cgagtccaga gagaaggaag acactgtgga   840
tctgtccagg tggctccccg aggtgcccgg gcccgcactg agggcctcca gatgctggcg   900
tagggcctcg agctctgagc ccaggctggg ccgcgctggg tcaaacaggt tgccttcctc   960
caccacgcgg tccaggcgct caagcagctg cgtgaccgtg gagttggcgt actgcaggaa  1020
gccgaactcg tctcgctggc cgtccgggca cagcgattgc atgacaggca ggatgccggc  1080
agacgtcagg ggcgccgctg tgtagaaggc ttccttcacg                        1120


        <210> 576
        <211> 885
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (20)...(688)
        <223> similar to gi1196433 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters


        <400> 576
gcatgctctc actactgctt tcaacattgt actcgaagtc ctagttagtg cagtaagaca    60
agaaaaggaa ataaagagca tagtgattgg gaagaaagaa ataaaactgt ctttgttcac   120
agatgacatg attgtctatg tagaatatcc aaaaattgac aaaaatgctc ctggaaataa   180
taagcaattt taccagggtg gtaggatata aggttaatac acaaaattca gttacttttc   240
gtgtatatca tcagtgagca agtggtattt gaaattaaaa aaaatactat ttgcattagc   300
accccaaaa gtggaatact tgggtagtaa tctaacaaaa catgcacaag atttatatga   360
gaaaaattgt aaaacttaa ttaaagaaat caaagaacta aataaatgga gagagatttt   420
atgtggatag aaatattctg ttttcaagat gtccgttctt ctgaacttcg tctatagatt   480
caatgcagtc ccaatccaaa tcccagtaag ttgtttgtg ggtattgaca aacattttaa   540
agtttatatg gagaggcaaa aagacccaga atagccaact caatattgat tgagaacaac   600
aaagtcacag gattgacact acctttcttc aaggcatact ataaagctac agtaatcaag   660
aaagtgtgat attagcaaaa gaacagactt acagcaactg ttcttattag caaaggaaca   720
gtttacagca aaactgtaaa acttagagga taacatggga gaaaatgtag atgaccttct   780
gtttggcgat gacttcttag ttgcaacacc aaaggcatga accatagacg aaataattga   840
taatctttac ttcattaaaa ttaaaaattt tgctttgtga aagac                   885
```

<210> 577
<211> 655
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(658)
<223> similar to gi1017427 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 577
```
gaagtggtcc cagaaaagaa agtaccggtg cctcctgcca aaaagccaga agctccacct      60
cctaaaggta ggtatcatta cacattgtca gtcggggggc cctggggaaa gactgtatag     120
aagtgtccgc cgatctcaca agttgtattt gcttgggtaa atgtggagtc gatattcccc     180
ctttatagct tctaactaaa agatactaat atcttcaaag ttcctgaagc tcctaaagaa     240
gttgtacttg aaaagaaagt atctgtggct gtgcccaaaa aaccggaagc cccacgtgca     300
aaaggtattt attccctctc ctctgctaag aaaaacttat cgtctgtacc cctcacaatc     360
agctgtgata tataccttgc ccattcatac attataacaa tactaatatc tttcaagtgc     420
ctgaagctgc tcaagaaggt gtcccagaaa agaaaattcc caaggcacca atcaaaaaac     480
cagaagcccc cgcaggtaca ggtacatgtc agctcaaact tatcctgcag aagaaatctc     540
tcttccattc ctgaaaacaa ttttagacca ttcctcttca ttaacctaag tataaaacta     600
ctaatatctt tcaagtgcca gaagttcctc tagaagccac agaaaaagaa atttt         655
```


<210> 578
<211> 2616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(2616)
<223> similar to gi1334643 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 578
```
ccgggactgg ggctgggcgc gctgcccggg agccccgcac ccacgcctgg accgcggaga      60
cgcccaggcc gaggaacccc cagcccaggg actagacacc accagggccg ggcggagcca     120
gagccagacg cgccggagcg ggcgcctcta cgccgctaga tgttcgccat ccagccaggg     180
ctagctgagg ggggccaatt cctgggggac ccacctcctg gattatgtca gcccgagctc     240
caaccagaca gcaactccaa cttcatggca agtgccaagg atgctaacga gaattggcat     300
gggatgccag gcagagtgga acctatcctg aggaggagct cctctgagtc accctctgac     360
aaccaagcct tccaggcccc tggatcccct gaggaagggg tgcgcagccc cccagagggg     420
```

356

```
gcagagattc ccgggggctga gcctgaaaag atgggtggtg ctggcacagt ctgctcccct     480
ctggaggaca acggctatgc cagcagttcc ctgagcattg acagccgtag cagcagtcct     540
gagcctgcct gtgggacccc gcgaggccct ggccctcccg atcccctttct gccctcagtg     600
gcccaggctg tgcagcactt acaagtccag gagcgctaca aagagcagga gaaggaaaag     660
caccacgtgc acttggtgat gtaccgtcgc ctggcactgc tccagtggat ccggggcctg     720
cagcatcagt tgattgacca gcaggcccga ctgcaggaga gcttcgacac catcctagac     780
aaccggaagg agcttattcg ctgtctccag cagagggcag caccatccag gccccaggac     840
caggcctaag ggtgtgcctc cacaagtgtg caagggtata tgtatatatt tgcaggcatg     900
tgtgaggcgc actagtaagt acataatttg ctggcatgat tgcaggtagg catgagtgtg     960
tatgtgctaa catgtaggct ggtgtgtgta ggcatgtgtg aataagcatg tataaatgag    1020
cttaagtgtg ctgtgtgcac atgtgtacac acagctaatt tatctgcaga cctatatgtg    1080
agcatgtaag agtgaacata tgtgtgtgtg tgtagtatgt aagaatgagg aactcggtat    1140
gtgcatgtgt agacaggtac ccagcagtgt gtgtatatgc gcatgagtga ggatgtatag    1200
gcagaagatg tgtgtgtcta tgagtgagtt tgagtgtgca ggcttgtatt aggtgtatgt    1260
gaggaagccc ttgtgtgtgc aggggtgcac atgtttggcc acaggcatgg gaggtgtatg    1320
ttaggagcat gtgtgtttgt aggcagactc atgagcaggt gtgtgcaaat acatatccag    1380
ctgcactgtg ggtgtccacc cacaccttgt gttcctcatg gcctacccca gcctttcttc    1440
tccactgggt cccactgttc cctggagaca gagggctagc atgctgtcat ttatctgaag    1500
gttgtggctg acccattctc ctgggatttc ccaggccacc tctcctttcc ctttccctca    1560
cttaacccag acttgctcag ctgaggctat tgtccctgat gttggcttta cttgtaggag    1620
gtttagtggc tgctctggcc tgccatggaa ttttggctgc aattttggca gtgtgtggag    1680
aactggtatc aggaaaggga accaggagta gtgatgaaga tgatggtggg gatggggaca    1740
gaggacatag gggactgtcc ctcttgaact ctgcctttgg gcacatggga gatggggaca    1800
ggaaagatga taacagtgga accctgtgaa gaataggaga atgggaattc taaaatacca    1860
gttcccaaac aaaccatctc tccattggaa aaggagctgt tgcaaaccgt gttcatttaa    1920
gcttctgatg aaaagcaatg tatgtttata agcttgcaag taacagacaa gatgttccaa    1980
ggccgatgag gaaaatatcg cttccctgtc tctgcctcta ccttgctgtg cctctctggc    2040
tttagcagca ttggatgttg aattggtttg gttcatttct ctgaagtcgg actgtcagga    2100
ggagccagag gttggctttc tgggatgtga aggggacagt gtcagcctaa gcctctggag    2160
atgcttagga tgctgaattt taacccccttc tttcactgca tggcccttca aacagggatt    2220
ggcaggctcc gcgagttaca gagtgggtga gtcttggaga gaaccaacga ctaaggtagc    2280
ttagctctct gctttgttct tgggagccaa gagaatgcaa gatcctggtg ggtgagcagt    2340
ggtatgaaga ggggacactg gtgggtgaac agtggcatgg aagtcactga tgcagcctct    2400
ggccctcagt ctccctatcg gcaaaggggg gggctcttcc tatctctaaa gagtttcatc    2460
cctgacaggt ggatgggtga aagatccaaa gagtgggggt gaggggtggg ccctgaagac    2520
tttttgtctg tagctcttgc atattgagtg tataaacccg gcttctggac caacccaaga    2580
tgaataaact ggggcagaaa attaccaaaa aaaaaa                               2616
```


<210> 579
<211> 1445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1446)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1389)...(26)
<223> similar to gi3641655 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

357

<400> 579

```
tttcgtcagg  cggctgcggc  tgctacggcg  gcgcatgcta  ggggattctg  ccgggtagaa        60
gagctgggcc  tggaacccag  ccctgaggac  atcctgcggc  caggggcaa   gtgacacctg       120
ctgagagagg  cccaggatgg  tggaggctga  ggaactggca  cagctgcggc  tgctcaatct       180
ggagctcctg  aggcagctgt  gggtgggggca ggatgctgtg  cggcggtcag  tggccagggc       240
agcctcggag  tcaagcctgg  aatccagcag  cagctacaac  tcagagactc  catcgacccc       300
agagacgtcc  tcaacttcct  tgagcacctc  ctgcccacgg  ggccggtcct  ccgtgtgggg       360
cccaccagat  gcctgtcgag  gggacctccg  tgatgtggcc  agatcggggg  tggcctctct       420
cccacctgcc  aaatgccagc  accaggagtc  cctgggccga  ccgagacccc  actcagcacc       480
ctcgctgggc  acctcaagcc  tgagggaccc  agagccctca  gggaggctgg  gtgatccagg       540
accccaggag  gcacagaccc  cgaggtccat  cctggctcaa  cagagcaagc  tgtccaagcc       600
cagggtgacc  ttctctgagg  agtctgcagt  tcctgagagg  agctggcgcc  tcaggccata       660
cctgggctat  gactggattg  cagggtctct  ggacaccagc  tcttccatca  ccagccagcc       720
tgaggccttc  ttctccaagc  tgcaggagtt  tcgggaaacc  aacaaggagg  agtgtatctg       780
cagccatcct  gaaccccagt  tgccaggcct  gcgtgagagc  agtggcagcg  gcgtggagga       840
agaccatgaa  tgcgtgtact  gttaccgtgt  caaccggcgc  ctgttcccgg  tgcctgtgga       900
tcccggtacc  ccctgccgcc  tgtgcaggac  accgcgagac  cagcagggcc  ctgggaccct       960
ggcgcagcca  gcgcacgtca  gggtgagcat  cccgctgtcg  atcctggagc  ccccgcaccg      1020
gtaccacatc  caccggcgaa  agagctttga  cgcctctgac  acactggccc  tgcccttgtg      1080
agcagccacg  tggggctgga  tggtgatgag  ggcggggctg  gctcagactg  gcccagatcc      1140
ccagggaggg  tcacagagcg  agactgggct  cgacaagggt  gagcgcccaa  gtctctggag      1200
cacagcctgg  gcctcttcca  tcacccacac  ctgtacctaa  gggaggtagg  accccgctc       1260
cacgtacccc  ggtgcttcca  gggtgatctg  cctgcaggct  ggcatgacat  gaatgggtcc      1320
tgtttattgc  gctcttgtgt  actgcaggca  cagtccttag  ggggcttatc  tcatggagcc      1380
cccacagcag  ccaggagtgt  aggcactgct  gtaccccac   cctgcaggtg  gngagaccga      1440
agcag                                                                      1445
```

<210> 580
<211> 567
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(557)
<223> similar to gi4981020 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 580

```
caaggccagg  attcccatgg  caggagatac  ccaaggtgtg  gtcgggactg  tctctaagcc        60
ttgtttcaca  gcatatgaaa  tgaaaatcgg  tgcaattact  tttcaggttg  ctactggaga       120
tatagccact  gaacaggtag  atgttattgt  aaactcaaca  gcaaggacat  ttaatcggaa       180
atcaggtgtg  tcaagagcta  tttttagaagg tgctggacaa  gctgtggaaa  gtgaatgtgc       240
tgtactagct  gcacagcctc  acagagattt  tataattaca  ccaggtggat  gcttaaagtg       300
caaaataata  attcatgttc  ctgggggaaa  agatgtcagg  aaaacggtca  ccagtgttct       360
agaagagtgt  gaacgagga   agtacacatc  ggtttccctt  ccagccattg  gaacaggaaa       420
```

```
tgccggaaaa aaccctatca cagttgctga taacataatc gatgctattg tagacttctc      480
atcacaacat tccaccccat cattaaaaac agttaaagtt gtcatttttc aacctgagct      540
gctaaatata ttctacgaca gcatgaa                                         567
```

```
        <400> 581
ctgggtctgt catacgcaca ccgtcagtac aaggcttggg tgggaagggg attcgtggtc       60
agttgcccct ggggccacag gcgcctctcc ctgatttcct ctctccccac ctcaatgttt      120
acaatacgcg gtactggggt cttctcactg ctcactgctg tatctgagga tgggaccctc      180
ctctccttcc tcgcagagcc cctcatcccc tccctctgg cacagcaata ccaatagctc       240
agcagctgca gccacccaga cacggtgctt ccccagtgat cctgcaatcc ccatggcagc      300
ccagagggtg ggcccaggag gttcctgctt ttcagaggcc cctgcttccc ttggctttct      360
gcgtctggct cctggttggg ggtgcacagg ctcaccaccc ccatggaagg aaggacctcc      420
ccctccaggt gtcccctccc atggccctg ctgccctgag aacctgagca tgatgaggag       480
ggggaagctg aaggcgtggg agcccaggta gtggagggca cgctggccaa tgggcgggag      540
cccaagggcc accagctccg ggaccacttg ccagggtgct gagtagttgg tgaagaggcc      600
gcagtcccag gaggagtgga tgctggcgag agatggccaa gtggggctgg catcagggtc      660
ctgggtgaga aactgcccct gccagcctct gggtgccccc ctcctcttcc cctcacctgc      720
tgaccacata gcccaggggc actgcagcca gaagcaggcc caggaggagc actagctgga      780
agaagaaggt ggagctggag gcacggaagg gccgcgaaga tgccctggag ttcttcagga      840
gggtgtactg ggggcgcaag caata                                            865
```

<400> 582

```
tgagtgttgg tgcactggac acttttattg ctgcagtata tgagcatgcg gtgatattac    60
caaacagagc agaaacacct gtttcaaaag aagaagcttt gctcctgatg aacaagaaca   120
tagatgtttt ggagaaagca gttaagctgg cagcgaagca gggtgcacat atcattgtga   180
ccccagaaga tggaatctat ggttggatct tcaccaggga gagcatttac ccctatctag   240
aggatatacc agaccctgga gtgaactgga ttccatgtag agacccctgg agaaatcact   300
aaaatatagt aagtttgagg aaatgtctat tgaattagat tcggcaacac accagtgcaa   360
caaagactca gctgcctggc caaggacaac tctatctatg tcgtggctaa tattggggac   420
aagaagccat gcaatgctag tgactctcag tgtccccctg atggccgtta ccaatacaac   480
actgatgtgg tgtttgattc tcaggaaaaa ctgttggcac gctaccataa gtacaatctt   540
tttgcacctg aaattcagtt tgatttcccc aaggattcag aacttgtgac ttttgacact   600
ccctttggga agattggcat tattactt                                      628
```

<210> 583
<211> 1060
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(1062)
<223> similar to gi4240130 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 583

```
attatttttc ttttcttttta gccatacctt cagagtgtta ttttcctttt tgtcataagg    60
ggtctggaaa tgaagtatgg aaatgaaata atgaataaag acccagtttt cagaatctct   120
ccacggagta gagaaactca tcccaatccg gaagagcccg aagaagaaga tgaagatgtt   180
caagctgaaa gagtccaagc agcaaatgca ctcactgctc caaacttgga ggaggaacca   240
gtcataactg caagctgttt acacaaggaa tattatgaga caaagaaaag ttgctttttca   300
acaagaaaga agaaaatagc catcagaaat gtttcctttt gtgttaaaaa aggtgaagtt   360
ttgggattac taggacacaa tggagctggc aaaagtactt ccattaaaat gataactggg   420
tgcacagtgc caactgcagg agtggtggtg ttacaaggca acagagcatc agtaaggcaa   480
cagcgtgaca acagcctcaa gttcttgggt actgccctca ggagaactca ctgtgtccca   540
aacttacaat gaaagagcat ttggagttgt atgcagccgt gaaaggactg ggcaaagatg   600
ctgctcttag tatttcatga ttggtggaag ctctcaagct ccaggagcaa cttaaggctc   660
ccgtgaaaac tctatcagag ggaataaaga gaaagctatg cttcgtgctg agcatactgg   720
ggaacccatc agtggtgctt ctagacgagc tgttcaccgg gatggaccct gaggggcagc   780
agcaaatgtg gcagatactt caggctacca ttaaaaacca ggagaggggc gccctcttga   840
ccacccatta catgtcagag gctaagtctc tgtgtgaccg tgtggccatc atggtgtcag   900
gaacgctaag gtgtattggt tccattcaac agctgaaaag tttggtaaag attatttact   960
agaaataaaa atgaaagaac ctactcaggt ggaagctctc cacacagaga ttttgaagct  1020
tttcccacag gctgcttggc aggaaagata ttcctcttta                        1060
```

<210> 584
<211> 606
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (106)...(601)
<223> similar to gi170444 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 584
cctatctctc ctctttgggg agaaaaatgt cctgtgatgc ttacttggaa ccctgagctt   60
caacgatggc tcatcttgta cttgaaagat ttagcacacc aaacatctcc acctgtcccc   120
cagtcccctg gatttcagga gcaaaccgt catcctgcaa ctccttccag aagtcaccag   180
tttcccacgc acccctcttc actactcaag agctccccac cccttccacc atctctcctc   240
agttcacggc tccatggacc cctcaattcc tcaaagaatt tccccatctc tttgcaccaa   300
gactgagaat cccctagaaa caagctggcc ctgccctggt ctcccccatc tccaacggca   360
ggtatactca tcccaacata ctctctttcc ggaccagcct cgaccccggt aacttcccgg   420
ccttctccac ttcggaccct acccaacatt ttctggcctc ctcgcccaag tctccccacg   480
tcccaagcag tcatcccaag cttgttccaa aagcctcctc ttccgcacca gctgcttggg   540
caccacggtt actccggccc gcatctcagc cccctctgca tgtcctcaga cccttcacct   600
gcctcc   606

<210> 585
<211> 921
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(924)
<223> similar to gi2887497 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 585
gggctgacaa gagcatctac tttcgcagtg cccagcaggg ttcggatgga ctacactttg   60
tccgtaccca ccacgtagca gagaaaacca ccttgtatga catggacatt gacatcaccc   120
agaagtacgt ggccgtggcc tgccaggacc gcaatgtgag agtctacaac actgtgaacg   180
ggaggcagga ggcgtgctac aagggctccc agggtgacga agggtccttg ctgaaggtcc   240
atgtggaccc ctcaggcacc ttcctggcca ccagctgctc tgacaaaagc atctcagtga   300
ttgactttta ctcgggcgag tgcattgcca agatgtttgg ccattcagaa attattacca   360
gcatgaagtt cacctatgac tgtcatcact tgatcacagt atctggagac agctgcgtgt   420
tcatctggca cctgggcccg gagatcacca actgcatgaa gcagcacttg ctggagattg   480
accaccggca gcagcagcag tacacaaatg acaagaagcg gagtggccac cccaggcagg   540
atacgtatgt gtccacacct agtgagattc actccctgag ccctggagag caaacagagg   600
atgatctgga ggaagagtgt gagccagaag agatgctgaa gacaccatcc aaagatagct   660
tggatccaga tcctcgttgc ctgctaacca acggcaagct gccactgtgg gcaaagcggc   720
tgctagggga cgatgatgtg gcagatggct tggccttcca cgccaagcgc agctaccagc   780

```
cccacggccg ctgggcagag cgggccggcc aagagcccct caagaccatc ctggatgccc      840
aggacctgga ttgctacttt accccccatga agcccgagag tctggagaac tccattctgg      900
attcactgga gccacagagc c                                                 921
```

<210> 586
<211> 893
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (457)...(893)
<223> similar to gi559721 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 586
```
tgtcgactag tgattttccc gggtcgacga tttcgtatga ggacaggaat tctgtcctgc       60
tcaccaccat gtcccctggc caataacagt gaatggtatc tagtaggcct caagaagtat      120
ttgttaaaca aaaatgaaga gatgtggccg gcacggggag agtacaaatc tacataaaac      180
aataaaacga ggaactgaaa aaaggaaaga aaccacgct gagatgtaca agctgacagg       240
actcaaagct atcatgccag ctcggaggtc tggtggacat ttttcagggt ggacaggtgc      300
ttcacaccta tctaagcgca tagagccctt ccaggaagaa gaaaatccac agagaggtgt      360
ccagatagct gtgagcagct cccagaaaag tggacacaat caccaccccta acagaaacgt      420
ggcccaggtc gggagaaaaa aacaatacac catacatctc ggcccagatg aaaaattaca      480
cgaatcccca gcacaatcaa accaagccac caccttcagc ctgacacgta agagcagtct      540
cctttagcct ggctgggcag tcgcctgcaa cccagcaaac ccttcccacg cccaacactt      600
ttccctcgca aagaccaccg ccaccgccgg tccgaggggc gagggaacgg ggggaacagc      660
ctgacgatca gctttctcca ccccgcccg agcccagtcc ccttcaaagc gcaaacgttt       720
cccattctcg cctgtctccg aggcccggac ccctgccccg agcccctcct gcggtccctc      780
actcacgtgt agatgatagc catgaaatgc atcagccaca gcaccaagaa gaggacgaac      840
ccgaagacgg ccattccctc ctgcctcccg tcgacccagg aattccggcc gag            893
```


<210> 587
<211> 606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (240)...(601)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 587

```
tatacgcatt aggtaccggc ccgtaattcc tgggtcgacg ggaggcagga ggtgtaagag      60
gactgggtcg gggtgacgga gctgtgctta tggaagagca gagatgctgg aggttttgaa     120
cctcaggggtc agtggtggct tcgtgggttt cactttgtcg tacttctgt ttcacacatt     180
ttcttgtgaa tgtgccaagt attacataaa aaccaaaagg ctgaccagac ttaacagtgc     240
tccacccaat agcagcagaa cacacgtttc taagtgcaca gggaacattc tccaggacag     300
accacacgtt agtgcacaaa gcaagtctca gtaaattaga gatcggaatc ctgcaaacca     360
ccttctccaa tcacaatgga ataaaaccag aaatccatac cagaaggaaa atgaaaattc     420
acacatacat agaaattgaa cacacttttt aacagccaaa gggtcaaagg agaaatcacg     480
agaaaaatta ggaaatagag atggatgaaa acaacatacc agaacttaag gaatgcggca     540
aaaactgctc tgagggaaat ttatagctgc aaatgccaac atttaaaaag atgcgacatc     600
ttggct                                                                606
```

<210> 588
<211> 1923
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (128)...(1926)
<223> similar to gi5832876 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 588

```
ttttttttttg tgtaacttat ccaagagcct gcaaggggtt taatcttttt cctgggaaga      60
gacaatttca ccctgctttc cgaaaatgcc tgctgagccc tggtggctga gtcctgtctc     120
cctgggagcg gccggttggc cagggcagcc ccgaccctac ctggatcttc ctgcccaagc     180
ctcagtctca agaccccatg acagagcgta ggggggaggca gtgtctctga gtctttcctc     240
gggggacgtg tgcgggcaca cagatggggg cggggcaggc tctgaccccc aggccaaacc     300
aaagcccccca cgctgtccat tcacagccat gccttcccct cgaacaaaac agaaagtacg     360
aaacaaggtc tgcctttaa ttgctatcag atattcggat atcccgtctg atgtcagcaa     420
ggcccccgcg ccccgccgga aacccgcacg ataggagcag caccgccgcc tgactgcaca     480
gaagggctgg ggcagggtcg ctgtgcctct cggcctcctt gctgccaccg tctttttagcc     540
tcggggcgcc tggtgcaccg tctcctcttc gggtcagccc agcctctggc ggccctcgga     600
aggaggggag gcaggggtcg ggggggtgag ccggaggcgg gggccccgtc gcgcacgcat     660
gcagacttgc cctgtgttgg cttcgtttgt tctcctcctt tgctaaagtg atcagatagt     720
cctgtgaagc agctgccagc caggtggaca gggcagcggt gctgggatgc cgcccgtggg     780
ctcctcggac atcctgaggc cccgccctac ttctgtatct ggaacaggaa gagccgcagg     840
ttgatgttct tggcagccag cagcttgttg cactccacgg agtcaatgat gggcagtggc     900
acgtagtccg tctcgttgct ctcgttggtg aagacaaagt ggtagatgac ggggctgatc     960
ctcacgtcgt cgtaggggcc cttgagcagc aggaaggagc actccagcgg tgccgtgacc    1020
ttgctcttga ggaggagctg gaaggagagc gtacgcttgc aggacaggtt ggggttacgc    1080
tccgagtcgt tgactcgagc cttcaggacc cacgtctggt tcagcactgt gaacctgggc    1140
gtctcatagt acaggcgcgt gatgaagtcg tctgtgcggt acggccggaa ctggacctct    1200
gtgtagccaa tcttctcgaa gctgagcagg ctgaagatgc tgttgtacag ctgcatctcc    1260
ttgcggtggc tctggtccat cccatccagg atctccatca gctcactgcc tgtcttggtc    1320
gggtgggcgc acgcagcctc gtgcaccgtc agctcatgga aggggccgtg ccatgggcag    1380
ccgatgcgtt tgtacttgca ctgggttacc ctgtcctggc attcctcttt ctggtgcctc    1440
tccaggaggg agcggggaaa ctggcgcagg cagaagccac actctgaagg cagctcgctc    1500
```

363

```
acggctttct ccacggccag gttccggcag cagaggctct tactgatctc acaacgacaa    1560
ttggggcacg tggcctgctc ctccttcagc cgggcatctg ctagtaggtg gataaaacag    1620
ccagcgcaca tcaagtgacc attagtacac tggtacacgg aggccttggg caggtccagg    1680
cacacggtgc agcacagcac cgagtagagc cgctcctcca gtttcccgct gccggccgcc    1740
gccgccgccg ccgccgcctc ggccgcctcg gctgcccgca gccgcttctt gggcggcgcg    1800
tcggggtcgc cggccgcctc ctgcagctgt agctgccggg cgcccgccaa gcccgcctcg    1860
tccgagaagc cccggccccg ccgcctcgcc cagagccgcc gccgccgcct gcccggcggc    1920
cgc                                                                  1923
```

<210> 589
<211> 1490
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1491)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (6)...(1490)
<223> similar to gi211041 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 589
```
ttttgagggg gcctccacat tttattaggg atacggcaga agcagaggca ggaagcagag      60
cagccgcatt ttaaacaaca cataaattaa ccgcagtgcg gggctggggg ctgggggctg     120
ggccaggcgc ttcaatatat aaaaacaaca acaaaaaaga cggacgaaca gaccccaaag     180
gcatggggca gaggagggca gcaccatcca gacagcaggg aggaccaggg cagagagaga     240
aggcaacttg tcccctggc ccccaaactc caccagcacg ggggcctcca ggagggcctc      300
gcgagggctt cggggcagag gagcagccgg gttgggcaga gatggcacgg ctggtgggca     360
ggaagcccag caccacaaga tggctcagcc tgaagtaggg actggagggc tgcgacacag     420
tggcctttaa ccccccagtcc cttccaggaa gagccttact ctgggtgaga gaagggacca   480
agggcggggt ctctccctga gctgagcacg gtcatctcat ccgccgaagc agtgggtggt     540
ggggtgtgcc agggaccccc ttttcacctt cttatccacc tgcctccttg gtcccttcag     600
ggaggggtcc ccgtctccgg gggctgggca tgaagagagc cggtccagtc tgtggtcccc     660
agctccagcg gggccgtggc gtggcgcagc ccctcagccc ntgactccca caagaggaca     720
gcgagtcgta gagtgagtca ctgagagact ccgaggtctc cagccctggg gggcccccgc     780
tggccactct gccttcctcg gccatgtccg aagtgctggg ggtgcggcta cccccgaaag     840
gtgggccctg gggcgtaggg gacgggcggc tgggctcctg gcttcgcttc cggtccacgg     900
gcagggcctg ggaaaggagg ggcagctcgg gaggaagctc ctctccacct ttcggcccag     960
cctcagaggc actgagctct gaggggcgtc tgtgcacctg atggggggct gctccagagg    1020
gggcccaagg tggggtatac ttcagaggaa ccaggctgga ggtacaactg agaacagtcc    1080
tacaaggttc tggggaagga cagaaacctt tccccacgag agaagtgcaa ggagggcagt    1140
gtggagggcc gctcacaggg catcccaggg gtcctcctcc cagagggtgc agcactgaga    1200
ctgtgcgaca cacaggccgt accttactgg agaaactggt ctccccacat cactccctcc    1260
tgctcccgag tcctttccct ttcctctgct gcaattctca ccatgggggt cctgggcagc    1320
ccctccagtt gtcggggtgg gcacatgaga gggtccgagg agctgccggc tgccctagta    1380
ttggggaagg tccagttctt ggccagctgg acaggagggg tggggcctgg gtcttcacag    1440
```

364
```

```
ggatcatcag gacaggtctc atggccccgg cgcgcccggg aattacgggg          1490
```

```
<210> 590
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(377)
<223> similar to gi1334115 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 590
cccaacaaca gcaaaataaa attttttttct caagtgtcca tggaatattc agaaagatag         60
accatattct gggccataaa taagccttgg cagatttaaa agaattgaaa tcattctgag        120
tatgtatgtt ttctggccat aatgaaacca aactacaaat cagtaataga gtgacaatag        180
gaaaatatct aatcatttag aaattaaaca tcagacttct aaataaagtc tggagtgaag        240
aaggggcctc aaattcaata gtagaaatgc atagacttaa tgaaaatgag accataccgt        300
atcaatatat gtgggaggta gctaaagcag tgctgataga gaaatttatg gcactaaatg        360
ctgacagtag acaa                                                          374
```

```
<210> 591
<211> 2143
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2144)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (23)...(2017)
<223> similar to gi3880563 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 591
gataaccctg tgtccccttc cccagacaga aaaatgcctc aacgtcgtga ctgaggctgc         60
gaccccgttg ggaatatacc tcaaggcgag agtggaggct ggtggcctga aggagctgga        120
gatctcctgg gggctacacc agatcgtggt gaggtggggg gcagtggtga tgagagcagg        180
gatggggggt tgcaggtgct ggggcgtgat ggctcctttt gcccccagaa agccctcagc        240
```

365

```
ttcctggtca acgactgcag cctcatccac aacaatgtct gcatggccgc cgtgttcgtg    300
gaccgagctg gcgagtggaa gcttggggggc ctggactaca tgtattcggc ccagggcaac    360
ggtgggggac ctccccgcaa ggggatcccc gagcttgagc agtatgaccc cccggagttg    420
gctgacagca gtggcagagt ggtcagagag aagcggtcag cagacatgtg gcgcttgggc    480
tgcctcattt gggaagtctt caatgggccc ctacctcggg cagcagccct acgcaacccт    540
gggaagatcc ccaaaacgct ggtgccccat tactgtgagc tggtgggagc aaaccccaag    600
gtgcgtccca acccagcccg cttcctgcag aactgccggg cacctggtgg cttcatgagc    660
aaccgctttg tagaaaccaa cctcttcctg gaggagattc agatcaaaga gccagccgag    720
aagcaaaaat tcttccagga gctgagcaag agcctggacg cattccctga ggatttctgt    780
cggcacaagg tgctgcccca gctgctgacc gccttcgagt tcggcaatgc tggggccgtt    840
gtcctcacgc ccctcttcaa ggtgggcaag ttcctgagcg ctgaggagta tcagcagaag    900
atcatccctg tggtggtcaa gatgttctca tccactgacc gggccatgcg catccgcctc    960
ctgcagcaga tggagcagtt catccagtac cttgacgagc caacagtcaa cacccagatc   1020
ttcccccacg tcgtacatgg cttcctggac accaaccctg ccatccggga gcagacggtc   1080
aagtccatgc tgctcctggc cccaaagctg aacgaggcca acctcaatgt ggagctgatg   1140
aagcactttg cacggctaca ggccaaggat gaacagggcc ccatccgctg caacaccaca   1200
gtctgcctgg gcaaaatcgg ctcctacctc agtgctagca ccagacacag ggtccttacc   1260
tctgccttca gccgagccac tagggacccg tttgcaccgt cccgggttgc gggtgtcctg   1320
ggctttgctg ccacccacaa cctctactca atgaacgact gtgcccagaa gatcctgcct   1380
gtgctctgcg gtctcactgt agatcctgag aaatccgtgc gagaccaggc cttcaaggcc   1440
attcggagct tcctgtccaa attggagtct gtgtcggagg acccgaccca gctggaggaa   1500
gtggagaagg atgtccatgc agcctccagc cctggcatgg gaggagccgc agctagctgg   1560
gcaggctggg ccgtgaccgg ggtctcctca ctcacctcca agctgatccg ttcgcaccca   1620
accactgccc caacagaaac caacattccc caaagaccca cgcctgaagg agttcctgcc   1680
ccagccccca cccctgttcc tgccacccct acaacctcag gccactggga gacgcaggag   1740
gaggacaagg acacagcaga ggacagcagc actgctgaca gatgggacga cgaagactgg   1800
ggcagcctgg agcaggaggc cgagtctgtg ctggcccagc aggacgactg gagcaccggg   1860
ggccaagtga gccgtgctag tcaggtcagc aactccgacc acaaatcctc caaatcccca   1920
gagtccgact ggagcagctg ggaagctgag ggctcctggg aacagggctg gcaggagcca   1980
agctcccagg agccacctcc tgacggtaca cggctggcca gcgagtataa ctggggtggc   2040
ccagagtcca gcgacaaggg cgaccccttc gctaccctgt ctgcacgtcc cagcacccag   2100
ccgaggccag actcttnggg gtgaggacaa ctgggagggc ctt                     2143
```

<210> 592
<211> 950
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(951)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (950)...(16)
<223> similar to gi600118 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 592

```
gactctattt tccgggtcga cgatttcgtc ggcacagcag ggcagataat gccaccgggt      60
ttggggagca gtggttctcc aactttaggg atagaaacca gaagtttagg agctcagcaa     120
agaccgtgta agcctcgatc aggagggacc tccagccgga agagagagtg cctgcagggg     180
cctgacggga cctggggggga aggaagtgag aaactgctct gccttcctga ggggcagcca     240
cagctcctgc tggcccgtct cagcgcctct gcgacaacct caggtgcggg caagacagac     300
ggagggagag aagggaggaa ggaaaaacgg atgcaggagg atcctagaca cggaggagac     360
agaacccaca agagggggcg gcggtggcgt ggacggcgcc gcgagggcat cccagcacac     420
aggacgggtg gagggctagt gacagcggaa ctctgccctt cgacccggcc gggtcaccgc     480
tgaggacaga ccctagagcg gcacttcggg ggtcagtgag gtcaacacaa ccgccacaaa     540
gacaccacga tcactgtcgc tgccactttc cctcttgcgg tctcaggagg gcacagggag     600
gcctttggag gctgcgtcac cagggacggc tccgccatgt tgacagctaa aagaggggc      660
gcgcttgtct tcttgtgctc tgaatttctc agctttcaat ttatttggnn nnnnnnnnnn     720
ngaaacaaag cctcgttttg tttcccaggc tgaaaggcag gggaacaatt tggtttaatt     780
gaggcctaac ctttttagggc taagnnnnnn nnnnnnnnnn nnnnnnnnnn nnggtgggaa     840·
ctacggcaag gcccccccat gcccggtaaa ttttattttt ttgaaaaaac ggggtttttgt     900
tactggcccc agcttggttt aaaatttcca accttcggga atcttccgct               950
```

<210> 593
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(506)
<223> similar to gi3876763 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 593
attcccgggt cgacgatttc gtgtgaagtg gaattgatgg ccaggatggc aaaaaccatt      60
gacagcttca ctcagaatca gacaaggctg gtggtcatca tcgatggatt agatgcctgt     120
gagcaggaca aagtccttca gatgctggac actgtccgag ttctgttttc aaaaggcccg     180
ttcattgcca tttttgcaag tgatccacat attatcataa aggcaattaa ccagaacctc     240
aatagtgtgc cttcgggatt caaatataaa tggccatgac tacatgcgca acatagtcca     300
cttgcctgtg ttccttaata gtcgtggact aagcaatgca agaaaatttc tcgtaacttc     360
agcaacaaat ggagacgttc catgctcaga tactacaggg atacaggaag atgctgacag     420
aagagtttca cagaacagcc ttggggagat gacaaaactt ggtagcaaga cagccctcaa     480
tagacgggta agatgccatt ggcttcgagc tgtatgtttg tattgctatt caatttaata     540
caaataaaga tgatgccact aaataaaaa aaaaa                                 575
```

<210> 594
<211> 1904
<212> DNA
<213> Homo sapiens

<220>

<400> 594
```
tttttttttt ttaaagctta ttagctcatt tatcttggaa acagtagtta aactgaataa      60
aaaccaaggg gcaatataac tgctactggt tgagtcatac agtgatgtgt agtttggaaa     120
agaagacgaa tgatagatat tgagcccctt taggaaatgt tgccagtatt tgaatttggc     180
tttcatagtt atctcttgca cacgaagtag agtaccatgg ctgataacaa gaggtcaaat     240
gtacaagttg ctctaatatg gcctcaatga ggcaccagct tcaaaacccg cttgctgata     300
attcaggtat tcatggaggg tcaagacttc aaagtcatgt acttcaagta ccagtagagc     360
atctggtgtt gcttaaggga gtctgtcagt gtagggtgca tagaattgtt ctctggctat     420
atcccattct aggaatcact ggatatccat ctggagtgga gggctgttaa tctaggttca     480
cttgacacca tcttcagcaa atgatcattc ctggggtcaa agacatgcct gtcttcttgc     540
acttttctaa gttcacacac agtatttcta agaatgttca gcatctactg aacatgaact     600
gtgctgagtg gaggtacaga aaagattgga atgccattca ggtcaaacat attgctgtct     660
ggggcagtgg ttttcaaact gtgttcggaa gagttcaagg tgttgtaagg aagtcccctt     720
aggtgtcacc acggtggtaa aggaagatag ttgtagcagg attcaggccc ctactcttgc     780
ttcactactt catccagagc agcttcactt ttactctggg cttctgcaca gttttcactc     840
aaagggcttc atggccacaa agcctttgga aaaccaatga tctaagaata agtcggtcac     900
aaaatgcata gaggttctac cttgatgtat caagagaagc cttttctgga atctggtgca     960
gccttgtgag atgctgttag gtaaggggac tccttggtag aatttcttac atttgtgtaa    1020
aaagttctgg ttcctgagta attccaaaga agatgctatg aggagttcac tgtgcctttg    1080
atttgatccc aatgggtcag aatatgtttt ctcattcagt aggctactac aggatttgaa    1140
gtagaaaaaa cagggtccag tgaccttcat gggatcctag atgttcatga atttcaatca    1200
tttgagattg tggggtgtgg tccaatgctg ctctcaaaaa gatgttgcct ttcttcagag    1260
agcattaata actaaaaaat cccctggtcc aaatttattg tgtgtctctg aaggctttaa    1320
ctgaagaaat gaaatgcaca ctcatggaac aaactaggcc tttgttgtga taaaacagct    1380
ttagctattt ggcttgagga ctctgacttc actataaagg gctgtgctga atctgggtag    1440
aacaagacag gagtggaggt aaaggccaca tcatgatggc tgaatgcctc ctgggtcaca    1500
gtggtccact ggaatgggtg tcttcgtcag tagtaaggtg gtaggaatca tctcgggcaa    1560
aaatccaggt accaggtctg taggctgatg gaatagcaca gggaaggtag tcagaaggtc    1620
caggtgaaca ctcagcaatc aggaggcaca ggatgagtgg ttattctgat agcctgctct    1680
ctaaactcct ccttcctaat aaatgcatct tgatatgttg tggtgtatgt gggcaaagat    1740
gcactaaaca aggaccctgc tttcaaggag tctgctatca gacccgggag gggggggaggg    1800
cgcgccaggg cttcttcgat ttaggggcct gactccccgg cgacgagaca agatggctcc    1860
tccggtccgc accgcagcta ccgtcccggc tgcgtcgcac gaaa                     1904
```

<210> 595
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = a,t,c or g

<220>

```
<221> misc_feature
<222> (2)...(316)
<223> similar to gi3309124 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




       <400> 595
tttcgtggag gcttatcgga tttacacccc ttttgatccg gcagctctag aaaatagctg      60
tgctcttaat tgagcatttg tggctcaggc agccccggat attaaaaaga aactccaaaa     120
actagaaaga tttactagaa taaatatctg tcagctttta gaaatagccc aaaaagcttt     180
tgacaatcac aaggttaaaa aaacaaaaac aagcaacaca ggcagctgaa aaggccgctg     240
ataaagcatt caaaagacaa acaaaaatct tagtggcggc tatccaagaa gtacagaatg     300
aaatagcccg ttaatttagc attaactgaa gccctgctt tagccctccc taatatctcc     360
ataaaagcca aggagttgct aaagacgtgt ttactcagac tctaagaccc tanagacgcc     420
c                                                                     421




       <210> 596
       <211> 415
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (4)...(414)
       <223> similar to gi1469243 in the genepept database release 114,
             Run with FASTXY 3.3t00, default parameters




       <400> 596
tcttcttatc aaagatcatt aaaatttagg cctaagggga ccctgcctca aggaaattcc      60
caaagaatca aaagacccag aagtcttagt ttgggaaaaa tatgtggctg atactgtggt     120
ggtattacaa aacaataaat ttggaactat tatagactgg gcccctcaaa accaattata     180
ttatggttgt atgggccaga ctcactcatg ttcacagacc ccatctgtct ggcccactaa     240
tccggcctat gatagtgatt taactgaaag gctagaccag gtttatagaa ggctagaatc     300
accctatcca tggaaatggg gtgaaaaggg gatttcatca cctcaaccaa agttagttag     360
tcctgtaact gctccaaaac atccagcatt atgaaagctt actgtggcca cgata          415




       <210> 597
       <211> 831
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (1)...(832)
```

<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(711)
<223> similar to gi2224587 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 597
caccgagagc ctcccggtgc ccatggctcc tgtcacaggg cagctcagtc ccgaggagcc   60
tccctggtcc agcggcttca caatgggaat gcctctcctc cgagggagcc catccctcca   120
cctgcaccgg aacccccatg gcactgagga gaccggggtg actgcggaga ccggggagac   180
gtgggggaca ggggagacaa gcagcagggc atggcacggg gtcggggggcc tcaatggaaa   240
cgaggcgccc gaggggggcaa cttggtgact ggcacacagc gtttcaagga ggccctgcag   300
gatcctttca ccctgtgcct tgccaatgtg cctggccagc cagacctccg ccatattgtc   360
attgacggca gcaacgtggc catggtgcat ggcctccagc actacttctc cagccggggc   420
attgccattg ctgtgcagta cttctgggac cgtggtcacc gtgacataac tgtctttgtg   480
cctcagtggc gcttcagtaa ggatgccaaa gtcagaggtg agttgggcct ggtcttcagt   540
gtcccaggat aggctctgtt tccactttga ggagaaccct attatgttct ttttcaatag   600
agagtcactt cctgcaaaag ctgtattccc tcagcctgct ctccctcaca ccctcacgag   660
tcatggatgg caagaggatc tcctcctatg atgacaggta cttgctcctc tcctggcccc   720
aggcttgata ttgaaggagc cctatggaag actgagggag agagaanagc tcctggtggt   780
ttacgctgtt tctaagcctt ggtggtgggt aaggggccag ttattcctct g   831

<210> 598
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (196)...(821)
<223> similar to gi609543 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 598
tgttaggcag caacagtgct gatgctggac tgtggcaggc agagggtgct atcctgacac   60
acttcacctt agtgcaggaa acttcaattt ggtggaagaa aggcgatttc gaggttccaa   120
tctgggcgac acttcccagt tggagagtca gcaaaaggga gagggcaatt ccaagaagag   180
ggaaaagctt gtgcacagtg tacctccttt attcctgaag cccgggcagt gcttgacctg   240
gtcgaccagt gcccaaaaca gatccagaaa ggaaagttcc aggttgttgc catcgaagga   300
ctggatgcca cgggtaaaac cacggtgacc cagtcagtgg cagattcact taaggctgtc   360
cctcttaaag tcaccaccct cttgcattgg ccagtggagg aagatctttg atgatgaacc   420
aactatcatt agaagagctt tttactcttt gggcaattat attgtggcct ccgaaatagc   480
taaagaatct gccaaatctc ctgtgattgt agacaggtac tggcacagca cggccaccta   540
tgccatagcc actgaggtga gtgggggtct ccagcacctg cccccagccc atcaccctgt   600
gtaccagtgg ccagaggacc tgctcaaacc tgaccttatc ctgctgctca ctgtgagtcc   660

370

```
tgaggagagg ttgcagaggc tgcagggccg gggcatggag aagaccaggg aagaagcaga      720
acttgaggcc aacagtgtgt ttcgtcaaaa ggtagaaatg tcctaccagc ggatggagaa      780
tcctggctgc catgtggttg atgccagccc ctccagagaa aag                        823
```

<210> 599
<211> 473
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(474)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(381)
<223> similar to gi1196432 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 599
```
caatggagta aaattgtgaa ttaattccaa aaggatcctt caaaagtaaa caaatacatg       60
gaaattaaat aatctgctcc tgaatgatct ttcagttaac aaagatatca agatggaaat      120
taaaaaatta tttgaactga acaataatag tgacacaacc tatcaaaacc tctgggatat      180
agcaaaagca gtgctaagag gaaagtatac agcattaaat gtgtacacca aaaagtctga      240
aagagcacaa acagacaaca taaggtcaca cctcaaggnn nnnnnnnnnn nnnnnnnnnn      300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naaatgaaag      360
tgaatcaaac aaacaaaaaa cgcaaaaagt aagtgaaaca aagagctggt tcttgaaaag      420
ataaataaaa ctgatagacc atgaacgaaa tcgtcgaaag gggaattacg aag            473
```

<210> 600
<211> 895
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (516)...(893)
<223> similar to gi2801471 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 600
```
cttgaggagg tctttccttc tacacggcct aaccaggacc caaattcctc aagtagaaag       60
```

```
ggagctttag acgattctca ccggtatctc ctcgcaagta ttaaaagagc ctctcagaaa    120
cccatcaact tgtctaagac gaccgacgtt gtccaaaagc ccgataagtc accaagaacg    180
tttagagcg cctccaggag gcttatcgga tttacacccc tttttatcgg atttacacccc   240
ctttgaccc ggcagctccc gaaaatagcc ttgctcttaa tttagcattt gtggctcagg    300
cagcccagga tattaaaaag aaactccaaa aactaaaaag attttctaga ataaatatca    360
gtcagctttt agaaatagcc caaaaagttt ttgataatca aaagcttaaa aaacaaaagc    420
aacacaggca actggaaagg cagctgataa agcattcaga agacaaacaa aaatcttagt    480
ggcagctatc caagaagtac agaatgaagt agcccgttaa tttagcatta actgaagccc    540
ctgctttagc cctccctaat atctgcataa aagccaagga gttgctaaag acgtgcttac    600
tcagactcta agaccctaaa gctgcccagt ggcctattta tctaagatgc tagatcctgt    660
ggcctgtaga tggccaagtt gtctgcgagc cgtagcagct acagcaagcc tggcccaaga    720
agatgataag ttaactctaa gccaaaattt aacccttaca gctcctcatg ccgtaaagac    780
cttactacaa aatgcttcgg caaatagatg tcaaatgctc gcatcttgca gtatcaaaat    840
ttactgttag atcagcctcg tttgactttc tctcccacaa agtgtttcaa tctag         895
```


        <210> 601
        <211> 535
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (105)...(536)
        <223> similar to gi2695659 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters

        <400> 601

```
gcattgactt gactttgtca gtgtttcttc cgggtggaga acctgctgca catgccttca     60
ttctggaaca tcagatgaaa caccaactct ttctttacct tggaacaggt gttcagatct    120
atgaccggac atctgttctt catgtaatgg tcaaaaaagg tcaagttact ggagtggaga    180
ccgataaagg acagattgaa tgccagtatt ttgtcaactg tgctggccag ctattgtgga    240
tgctgatgga agaatttata ttcggaactg gcagggtggc atcctgtctg ggggctttga    300
gaagaaccca aaaccaattt tcactgaggg caagaaccag ctggagattc agaatctaca    360
ggggactggg atcactttga gcctctgttg agttcccttc tgaggaggat gccagaatta    420
gagactctgg agatcatgaa gttggtgaac tgcccagaga ccttcgcatc agacatgagg    480
tgcatcatgg gcgagtctcc tgcagtgtag ggctactttg tcctggcagg aatga         535
```


        <210> 602
        <211> 456
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (456)...()
        <223> similar to gi804811 in the genepept database release 114,
```

Run with FASTXY 3.3t00, default parameters

```
        <400> 602
gctccggaat ttccgggtcg acgatttcgt gactgattga tttttgacaa agatgtgaag       60
gctattcaat gtgaaaagga tggtcttttc aacaaatggt attgaaacaa ttgaatgtcc      120
atatgcacaa atgaactttg accataagct cacatcttgt acaaaaatta actcaaaatt      180
ataatctaaa tgtaaaatgt gaaaccataa aacttagagg aaacatgaag gaatctttat      240
gtcctggagt taggcaaaaa aatcttagat aataatttaa aaacatccat aagaagaaaa      300
attgatgaat aggacttaat caaaatttta aacttttgct ttgagaaaaa cactgttaag      360
agaatggaaa agcaatccac aggttgggag aaaatattta caaatcacac ctgacaaaga      420
actggtattt agagtatatg aagagctttc aaaaga                              456
```

```
        <210> 603
        <211> 2379
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2359)...(0)
        <223> similar to gi577299 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters
```

```
        <400> 603
ttaattcccg ggtcgacgat ttcgtcgcgg agtattccag gcgcctgcaa ctaaacgtgg       60
ccgggtctgc aagctaggtg ccagcgggga aagtttccct gcttcttatc gtctgcttta      120
acgccttaaa tagcccgctg aaggctgcag caggtgctag gtagcagcct cccggccctc      180
gggaaaggcg gggtggggag gcgagagcag cttagcctcc tcgacctccc ttcctggtga      240
cggacgaaca gttcccgtag aatttcgctt caccgagtga ccttgagccc agggcgacgg      300
tcagcttgtt aattcctggc tgcaggaact ttgtgagaat tttaatgcat ggaaaagctg      360
tccatgttcc aactgctgta catccaaaag tctcagtgta atagcaggac caaaatattc      420
tgtcaatcag ctgaccatat acttaatgac tcctaaaatc tcgtggactt ctaagaaagc      480
gccatggcct gtgctgctgt tatgattcct gggttgttgc ggtgctctgt tggagccatc      540
cgtattgagg ctgcgtcact gagattgaca ctcagcactt tgcgccacct tactctaacc      600
agcataatga aatccaaaag gaaaactgat cacatgagga gaactgcaag tgtccttcga      660
cgggagacta tagaaagcta atctaccacc tgaaggggtg tcaagggctg agaaataaag      720
gatcctcacc ctttacctca attgtgtcag cagctaaggt gtgtggagct gccagtgagt      780
caccgtcagt gaagagcctc cgcttgcttg ttgctgatca agacttttcc tttaaagctg      840
gccagtgggt tgatttcttt attccaggag tctctgtggt tggtgggttt tcaatatgct      900
ccagtcccag actgctagaa caagagagag tgatagaatt ggcagtgaaa tatacgaacc      960
accctcctgc cctctgggtt cacaatacgt gtacacttga ctgtgaagtg ctgtgagag     1020
tgggtggaga gttcttcttt gaccctcagc ctgcggatgc ctctagaaac ctcgtgttga     1080
ttgcaggagg agtcggaatt aaccctctgc tttccatcct gcggcacgca gcagatctcc     1140
tcagagagca ggcaaacaaa agaaatggat atgagatagg aacaataaaa ctattctaca     1200
gtgcaaaaaa taccagcgaa ctcctgttta agaaaaatat ccttgattta gtaaatgaat     1260
ttcctgagaa gattgcatgc agtttgcatg ttacaaaaca gactacacaa atcaatgcgg     1320
aactcaagcc atacatcacg gaaggaagaa taacggagaa ggagataaga gatcatattt     1380
```

```
caaaagagac tttgttctat atttgtggcc cacctccaat gacagacttt ttctccaagc   1440
aactggaaaa caaccatgta cccaaagaac acatttgctt tgagaagtgg tggtaggagg   1500
cagacaaagg cagaaaaaat aaagagtggg aattcctggc aggctgaagc ctccagaaga   1560
gcctctctcc tccatccttc tggccggccc agcaggacga tggcagacaa ggccctccag   1620
tcccctcagc tgtcccgttt tagcagcctg agatgtgatt cgggttgcca ggggctcagg   1680
tgttccttgg gctctgcgag cccttggaag ctggagcagg ctgccccctc aaatgctgca   1740
gaaaatccac tgaagatgaa gccctgctga ggaaaaccta ggaaggccat caaagtctct   1800
taccttcgat tccttcttct tgattttctg aggtagacac ggtctctgaa gaaagacaat   1860
ctgcttggtg gatacactcc cctcgctggt agtcttgacg acgggagttg gtagcacaca   1920
ggtgagctgc cagccatagg ccgccagcga gttcagcagg ggcacgtagt ctgtctgcac   1980
ttcgacacct tccaggactg tccattgttc agccacaata gcatcatagc cctgtatggt   2040
tttgctatct tctgtggaaa cagcttcaaa gatgaatact ccatctgtca agccatgtaa   2100
ggaatcattc actattccaa ggtagaagac tgcgttcacc agcatgcctc ctttccggaa   2160
gtggtcgctc atgtgctcta accagttggc gtccaagccg ctcactgtct ggccattctt   2220
ggagacatgg agaggaatgg tgacagggta gtattgccgg cacttctgat ggctcttcgg   2280
tttgttgaaa agggtgaaga tctccatttt ccctgagagt ggctcttcat gcgcctccaa   2340
ggggaagctc tccggcccac gcgtccgcgg acgcgtggg              2379
```

<210> 604
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(726)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(725)
<223> similar to gi5817102 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 604
```
agagaaagct tattgttgta atcagtgtgg tagggctttc cagggcagct cagacctcat     60
cggacatcag gtaactcata caggagagaa accatatgaa tgtaaagaat gtgggaaaac    120
tttcaatcag agctcagacc ttctgagaca tcatagaatt cacagtggag aaaaacctta    180
tgtatgcaac aaatgtggga atctttttag gggcagctca gatcttatta gacaccatcg    240
tgttcatact ggagagaaac cctatgaatg ccctgaatgt tggaaggcct tcagtcagaa    300
ctcacacctt gtcagtcatc aaagaattca taccagagag aaaccctttg aatgtagcaa    360
ctgtggtaag gccttcagtg gggtggacag ctttt cttaa gcaccagaaa cttcacattg    420
gaaaggaatt tgaagactgt aagagtctac aaacaggacc tattctaata ggtagcagaa    480
acctaatgaa tgcagtaaaa ctaggaaaag tctgatggag accacatctt attgcactac    540
aaatgagttt tattagaaaa aaaccatggg aaggtgggaa agcagagaaa atacctactg    600
gatttttcaa acgtaagtat aatcaagtgg aaaagccaaa agctcttgga cataatcacc    660
nnnnnnnnnn ctgtctcaaa actgacacta gaatatggtc ccaacgatac aattttttaa    720
attat                                                          725
```

374

<210> 605
<211> 980
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(981)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4)...(964)
<223> similar to gi1118097 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 605

```
gtgggtctcc ttgaaagtag gcttcctccc cagtgtggtt aaccccttgg tccactatca      60
gtgctggtcc aggtgcctag ggccagaacc ctggtcctgc gtggtctggg ttattattcc     120
ccatcggcca gtcctggaag tgttcgtgtg tcagggggt ccgatccctg cctcagnccc      180
cgggtgaggg gtcaagatcg cccgctttga gtttggcccg gatcttggtt ctgtgtgcct     240
ctggagcagt ttgtccctca ggagagggat cctcacagcg gcctcttggg accatgagga     300
gaattaatag gatgacccca aggtagctac cgtagccctg tgcaggccca accgtgtgtc     360
tccaccgcca gttcccttcc gtctgtgctc ccaccaactg tcacatcacc agcctttatt     420
ttcttttttct tagacccaga caacgagtgc cccactggcc tcggcagccc cttctctaac    480
ttgtcctcaa atcagttcct cacggacagc cctgaccagc cattggcatg accaaaaccc     540
caccaaatag aacccaactt tcctattaag ctgtgcagag cagtcccagc cccacttccc     600
acaggctgac ctcattcgcc atgggatccg tggttctcac ctggggctgg gggtgcccct     660
ggcatctggt ggggagtgtc agggatgccc ttccaggtcc aggatagtcc cccagctggt     720
ggccgacaga cagcagcaca cagcctgatg tccctgtggc ttccggttcc ccgaggccag     780
ctgtgctttg ctgcctcttc atcttctcag acgggtgccc tctctccacc ttcgctggtt     840
agcaatgttc atccattaga gctcaaaagc actgcctgct ggcagcacag cccccttctcc    900
tggccctccg tccgcctgtg ccccacggtc tgtgccgtgt ccccgccttc cgcctgtgcc     960
gcatggtctg tgccaagaaa                                                 980
```


<210> 606
<211> 1496
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (689)...(1498)
<223> similar to gi1054873 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters

<400> 606

```
gcatgtatgc acatttttaa tgtctgattc ctctacattt cttaaactgt aaaataataa      60
gaacatgcag ccagatagca tcgcgattac caacttcttt atataatgac acgtaccatt     120
ccactcaatg tgctcctcag tttgaattta taaatatat gctactcaaa tgaaaggcac      180
ttatgcctgc tcttagtaga ggaagcgcta gctaattgcc taacgcccca ttagcatatg     240
gcctatactg acttgagaag gaaagaacgt tcatttgctg tggccaataa ggatcccctc     300
tccccacctt cccttttctg catcaaaatc tacacagaca aaagtcagat gttgtaatat     360
gcattttatc gtgtcactta agtactaaga ggtgctttta aagtttttat taatgctgct     420
caaacttgac cccgacggtc caggatacag gccaaggtgt cagtgcggac acaatcgcaa     480
ggcggctgtt aggcttcagg gctgggcagg aaacttgcca ggtgctacta ggaacgtatc     540
agccctttct acaaagcagg tgtctttccc atcataaaat gcaaagcaat cagccgttcc     600
ctttctcccc agccccctcg tccggagacc gagaggatat ttaccctggg ctcttgcagt     660
tctcttataa ctgaacccag cggcggctcc ttctccgagc tcagagccag caggctcagg     720
cccagccaca ctttacaggc aaattgccga gctgaccaag ggctttggcc aagcccgagc     780
tgggccgggg cgtccgggaa gcggaaggag ccagtctagg aaatccgggt gtgcgtggtg     840
gtgaagctgg tgggcaagct tccacttcag gtccggggct ttgtgtcccg caacagacgc     900
ttggcgccgc tcctcttcca gcctgctgcc gccttctccg agcgagtgag ttggcgaaac     960
tcactcacct gtcggaaccc ggtgcctggc ggccagacgc gcagattaca gcaaaccttg    1020
gccgggacgc cccagccagg gaggcaagtg tgggagctgc tcctagaggt gccagctccc    1080
accccagct ccgcgccccc tgctcgtccc ctttcacttc caggcgcctt cgggcttggg    1140
gtgccagaa gggcaagtcc aagcagacgc cagggctgca ggttcaagat gctccgcctc    1200
ctcctgccac ttagagccac aaacgctagc gggaaccttt ccactcagtc ttagtctgcg    1260
gtcactgctg aggttttcag aactttccag gcaaaggcca gccaggtcct ttgcctccaa    1320
cccactccgc gcctacctcc cgcctgggga caccctagg cccaggagat cctactctcc    1380
cccgagcacc gacgttccaa ctcgtctgcg cccccgactg ctgtccggct cctgtgccaa    1440
ggggcgcgcg catcttcccg gggccagacg aaatggtcga tccgggaatt ccggac       1496
```

<210> 607
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (135)...(696)
<223> similar to gi2911259 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 607

```
ccgatttcgt gctggagggg gcctaggatt ccagaagcct ggggaggcac accctaggct      60
cggggaagga gagaggtgga gaggggctag cactcctcac cgtgattatc tttctgcccg     120
atattgtgcg tgcggatgag agaggagagt ctcctcacat ccccccttgaa gacgcactcg     180
tgcaccgggt agtgtgcggg gcaactgcct ccatccgcga cgacagcaac ggggttggtg     240
ccggccagaa gggccgggga ctgggagttg gcagtcacgg aggaattgtg cagcggcaga     300
gccggggcgc cggggggatt ggaggaggcc ggagctgcct tcagctgtag ccggtggtga    -360
tggttactga agatcttatg acaagctttg ccgcccttgc caatcctgct tctggtaaag     420
gtaccgccga gggcagccgc cgcttcctca tccccgggct ccagcaggtc cccttcttct     480
ttgctgggct tgtggtccct ccgcagtgag cggatcttct ccccggtcat cgccgccgcc     540
```

```
aggggcaagg gggggaatcg ggaggctcac cgctggcgac ggagctggcg ctgcggcggc    600
acaaggcgat tagagcggtg gccaagagcc tccagcgcag catgaactcc cactgagccc    660
ccgagcctgg gacaaacgca tctcccgggg aagagccggc tctcgcctag gcacgaaggg    720
acgcgcgctc gctgggggaa gctagaactc aggtgcccac gacaccagga tctcagtctc    780
gccgtcgcag ccgccgtcgc tgccttacac cgaaaaaca                           819
```

<210> 608
<211> 1149
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (450)...(1051)
<223> similar to gi4469185 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 608
```
agaggactct aggcgttttc ccactcttga aggcactgag ctgggaacac cacctctggc     60
caccagctgt ggactgcaga gaggcctacg gtgaccagga agggtggagc tgcccaaggt    120
catacagcaa gccggccctg cacaagctga tcccatggct gcccagcctt ggggaatggg    180
ggacttctgg catgtccccg agctggcctc atctgggccc tcagaaaaac gggaggttct    240
gagcccagtc cgcgaggcgg gggcggaggc ggcccgatac ctccacctac tctcggtacc    300
cgcgtttctc cagtggacgc cctcttcatc ataggggtca ggcggagcgg gtcggggacc    360
gaaagtcgct tcggggcggg cgccagtctc cggcccagcc ccgggccggc atccaggcgc    420
cgccgctccg gcccagcccc ggcccggccc ctatgatgaa gagggcgtcc actggagttc    480
ttgctgtcga catctttgac aagttcaact tcacgggagc cagagtccca tggttcgacg    540
ccattcatga agcattcccc agggagctgg agtcctccat ctccttccca gccaacttct    600
tcaaaccacc tgaagaaaaa gaaggccccc tggtaaggcc agccagccgg aggaccaccc    660
cgcagaccac acgcccaggg cctggcaccg agagggaggc cccgatcagc aggtgaaagc    720
gacaccctga tgacactggc tagttcacct tcactctggt catcgtttac tgtaccccgg    780
ggcagctccc gcctgagccc tatgacccca accgccgcag cctctggctg cctcactggc    840
ccatcattaa tacgtcgatg gtgagcgcac tggtgtacag cgaggggggct ccacttccga    900
gacccctgga gaggcccgtc ctggtggagt tcaccctgct ggagatggag aagcgaacca    960
agcctgtctg tgtgttctgg aaccattccc tggcgtaaat gtgatgccgg gagttctgca   1020
tcttcatgtg agggctttgc caagacacag agaacccgca gggttgttgg ctcaccggca   1080
gatcgtccca cggggacagt ctcttgtggg ctgtgactcc cccttcagcc ccctgtgggg   1140
cagtgaggg                                                           1149
```

<210> 609
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

377

<222> (21)...(370)
<223> similar to gi2981264 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 609
cccgggtcga cgatttcgtg gagccagagg cagccagagg ccctggagcc ccagggcctg   60
ggggcgagtc tgtgagtggg gagacccact gggccctgca ggaagtcacg gagaagctgg   120
cccatgccag gactcacctc cgccttctcc atgacttgaa aatgccacct gagggcaggt   180
cgctgccgag atgtgactgc aatattttgg ctccagagca gctttatgga ccaactggag   240
gagaaggcag acctgagtga gctggtgaag aaaaaagaac tttgcttcat ccaccactgg   300
cgagatagat gccatcagtg agtgggaggc cagggcacgg caggggagc tgcaggaccg   360
tcggaggggc cccagcgtct gagccctgtc ctcccgcagg aaaatccatc acctttatc   420
agaaccaggg ggccgtgcca aagg   444

<210> 610
<211> 551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(483)
<223> similar to gi310089 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 610
gggccgcagc ctcagctccc tgctctgcgg cttcatccac aaggcggcgt caggcgttcc   60
tcagcaacca gatgcgggat gcccagggac tggtgaacag caaggcgggc agcggtgcgg   120
ccagtgagct agcgtggccg aggccgtggt ggtcctatgt cccatggaga ccatcaaggt   180
gaagttaatc catggccaga cctctccaaa tccaagtaca ggggattctt ccacagggtt   240
aggagattgt gcgggaacac cgggacttac cggggcccca caggccccgt gctgaagcag   300
ggctggaacc aggcaacttg tttctttgtc ctgacatccc tgcgcagctg gtaccgagcg   360
gacagcccca acaaactcat gaacccgctg gtcgctgggg tcttcggagc cattgtggga   420
gcggccagtg tcttcggaaa tgctcctctg cacgagatcg agccccagat gcgggacctt   480
cctcaagcta tccgcaccac cctctcttcc atttcatgcg aaacgaaatc gtcgacgcgg   540
gaattccgaa g   551

<210> 611
<211> 407
<212> DNA
<213> Homo sapiens

<220>

378

<221> misc_feature
<222> (16)...(410)
<223> similar to gi287865 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 611
tttcgtccgc caggggtccc agtaggtgag gtgcagagcc tccctcagct cctcttttcc   60
tccatccaag gggtgtccaa tgacacatct tcgctggaga cagagcgagg gtttgaggag   120
ttgcccctgt gcagctgcct catggaggca cccaagattg accgcatcag cgagagggcg   180
gcgcacaagt gcatggccac tgagagtgtg gacggagagg aggggccgtg ggctggtggg   240
agaggtgcca gggcgtccag tccccggccc cagcctgacg ctctcttctc acccatcctc   300
actgcgcaca gctgtcaggc tgcaatgccg ccatcctcaa gcgggagacc atgaggtcat   360
ccagccgtgt ggccctgatg gtgctctgtg agacccaccg cgcccgt   407

<210> 612
<211> 1276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (453)...(1239)
<223> similar to gi470674 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters

<400> 612
ttttattttt gtataatggt ttatttaata cagtatacat tatctttcat atactttgtt   60
acaatgttaa aaaaacttca tttttcataa tataggaaat aaagttggaa acaactctgg   120
tgggaatact tcagatagag caagaaagca ttcacagcaa ggcctataat cagtaagatg   180
tgtgaaaagt tgggtagcca caggaggtgt tcattaagga tatgattcca tttatatagc   240
tatttctatt gcataaccag gacagtttta ttgttttgag gtcaatgttc ttttaaaatt   300
tgattttctg taagaagagg cttttttggcc cagaaagcct tacttatttt acatcttcca   360
gtttgtccat cccatgagtt agagttcgtc ttgactctgc aagcttgtat ggaatggaag   420
tggtgcctct ggggtcccag acacgggaga gaggaagcag cccaggggct gggagaagtg   480
gtgagaccca gaagaacggt ggacccagtc aggaagggtc ctgccagcag ggcgtgggcc   540
agcctcgggg tcttccccaa aaggcaggta ggggcctcca gcaagcttcc cacctccgtg   600
aggctggaga agaggccccc tggatgagaa ggaagaggcc ggcaggtccg gcgggcgcag   660
gcacaggtag acttctggtg ggaaaagcgt gactcagcct cctccagcgg ctgcaggacg   720
tcccccgct agaaagggcc gggctccctt tgctgaccca gagtcaaccc agcgattcct   780
cccggggagg cggggggccc cggccccggc ccagagcgca tgcctatgcc gggagctggg   840
cgaggacagg gcacagccac agctgggtgc ccaacgggaa aggcggccgt tcccccctcaa   900
gctgcacctg aaggggtccc cagggtcgag gccacttctc cttcggctca gggttgacct   960
tcagtgacca ctgtggcctg cgggcatccc ctgggaggga cggagggga tggaggaaaa   1020
ctccaaaggg aaaggccgaa tcctgcaggg tctggtcgtc ggaaagccaa ccatacagtc   1080
agccctccct ctcctcgggc tgccgtcgcc atccgggtcc acacgggctc taagacaaaa   1140
ccccaattgc ccccaaggcc ccataggagg ggcgctgcca gaatcgccta tttttagtga   1200
aagagaaccg ggccgggaga cagcggcagg gggccggagc attcccgaga cgacatcgtc   1260

379

<210> 613
<211> 451
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(446)
<223> similar to gi608681 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 613
agcaaagcca cctatgacat gtcagcacaa cctggacatc gagtgtccca tgtacaccaa   60
cctcagtcgt ctgggcagat cgtgtcctcc atcacggcct ccctgtgatt cgatggggcc   120
ctgaatgtgt acttgacaga attccaaacc aacttggtgc cataccccca catcaacctc   180
cccctggcca cctacgccct ggtcatctca gccaagaagg cctaccatga gcagctgtcc   240
gtggccaaga tcgccagtgc ccgcttcgag ccagccaatc agatggtcaa gtgtgaccct   300
caccatggca agtacatggc ctgctgcatg ttgtacagag gggatgtggt cctgaaagat   360
gtcagtgcgg ctgtcgccac catcaagagc aagcacacca accagtttgt ggactggtgt   420
ccgattggat ttaaggtagg actgggtgat g   451

<210> 614
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(482)
<223> similar to gi4753153 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 614
gattcatagt gcagtgtggt ggaattcgat tgcgcgaacc atgctccgaa tgagtgagat   60
taccacttcc tctagtgctc ccttcaccca gccattgtct tccaatgagg tgagtttcat   120
gttcttgcac taactttctg acagattctt gggtgttatc aacgtttatt atacacagat   180
cctgagtttg ggttgaggtc tgagccttga aagagaaggg catttgatgt ggagcaggga   240
ttatcttcaa gtgatgagca ctgaaatgtt tggtctctta ggatccagct tttaaaaatc   300
tacactattc acttagtcaa agtatctatt cgtcaagtac agcctattcc taattatttt   360
aagaatccac aatttggact ctgagagcct tggcattcag gacattattt gaccccctgt   420
acttaaaata tcgatattta atatatccaa tatgtgttat ttatattact ttcatagtaa   480

<210> 615
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(425)
<223> similar to gi553653 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 615
tccagtgtgg tggaattcac ccgcctccgc ccggcgctcg ggcgggaacc cgggcgcatc   60
cgcacgtgcg ggcgctgctg caggtgtgtg cggctcagcc cctgcctgga cagcgctccc   120
tccccaagcc tgagagtccc tgcctcgcgc gccccagggc ccgaggtccc gctccccaat   180
ttcccctaga gatccgggtc gcccccaagc gaggtctctt gctccacgcc cgcttccttg   240
tgccagggac ccccacctcc ctgcataaag gcgtggggtc ctctccaagt cccccctcgcg   300
atcccactgg acttcgaagt caggctcctg cccgcccacc gcctctgtgc cagggtccaa   360
cccccgcccc acggtgcacc ccccagggcc tggggtccca gtccccaagt accccttgct   420
ataag   425

<210> 616
<211> 1083
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1084)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (131)...(1051)
<223> similar to gi3242649 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 616
tctcggctga cttatttatt ggagacctgg atgcagagac aacgaggcgg ggagtgggct   60
ggggcgacca gcagtgagtg caataaagga caccactctc ccggccttgt gactttgacc   120
atgtgtccag ccagccacac ctggagctcc ctatgggcca gtgccatcct gggttcccct   180

```
gcaaatcccg gccccagcaa gcagccactg caatgtccca gttaggctgt ccattcccca    240
actttattca caaatctggt gtctgtagaa agctgggggt cagcaggctg ggggcggctg    300
tccagactcc cctggcccca tgccctcagg gagggagcgg cagatcacgg agatgcgccg    360
gccccgggga atccggcgtt ccccaaagaa ggactcttca tcccgaagga tctcatggga    420
gaagtcataa cgggctgagc ccctaaggat gtagagggag cccggctcca gcaagagttc    480
cgagccactc ccccggctcc tggggtgtgc accagaccgc ataaccgctg ggagacagga    540
gagacaggcc cggcgattgg tggcccccgc agaacttgat gctgtccacg tggggcttga    600
tgtagccgcg ggcttccagg tccagcacgt gcacggagga gagcagggtc tggccggggc    660
caaaggcggc cgcctgcacg cgctgcagga tggcccggct ggcttctgac cagcgcgact   ·720
tctctgtctc tcggaagccg tggatggccg cgtcccagtg atcgtattcg tagcggcggc    780
ggcgcagctc gggctccagt tctcggctca gcgtctcctc ctctgccgtg ctcaggaagc    840
caggccgcac cacggccgcg tcctgcaggc ggctcagcac ggaagggccc gagcctcgca    900
cccagctggg ccctggcagc gtccgcagcg ccagcagccc agtcccggcc ataatcccgg    960
agcggggtca tgagagaggg cagggttggg ggaacgcccc cgccaaaagc cattgggggt   1020
acctgcggca cggattgact tccctcagag tcccgcctct cgctccaaca tcangactcg   1080
tgc                                                                 1083
```

```
    <400> 617
ggcagagcac cactgacgta ctccctgtta gttttcagtc ataggtaggg gcacctggga     60
ggccatcagc tcggaaagcc ctgtgagatc cccgagattc gccgttctgg acctggagaa    120
aaagaagtcg tatgtcttca gagagcgatc tatgaaccac catggcctga gcgatccctc    180
ggagcccagc gaacccatcg ccttgcgggg cccgccagct accctccctc ctccagctca    240
agttcaagct ttcagagaca cacagacctc tgtctccctg acatgggatc ctgtgaaaga    300
cccagagctc ctgggttatt acatctactc ccggaaggtg gggacatctg agtggcaaac    360
agttaacaac aaacccatcc aaggcaccag gtttacagtt cccgggctga ggacggggaa    420
ggagtacgag ttttgtgtca ggtcagtcag cgaggctggg gtaggcgaga gctcagccgc    480
caccgagccc atcagggtca agcaggctct ggctaccccg tctgccccat atggctttgc    540
cctcctgaac tgcgggaaga atgaaatggt cattgggtgg aaacccccca agcgtcgtgg    600
aggtggcaag atcctgggct acttcctgga ccagcatgac tcggaagagc tggactggca    660
tgcggtcaat cagcagccca tccccacccg ggtctgcaag gtcagtgacc ttcatgaagg    720
ccacttctat gagttccgtg cccgggctgc caactgggca ggtgttggcg agctgtcggc    780
acccagcagc ctgtttgagt gcaaagagtg dacaatgccc cagccaggcc ccccgtacga    840
tgtacgggca tccgaggtgc gggccacatc cctggtgctg cagtgggaac ccccactgta    900
tatggggggct gggcctgtca caggctatca cgtcagtttc caggaggaag gctctgagca    960
gtggaagccg gtcacctcag gccccatctc tggcacccac ctgagggttt ccgacttgca   1020
gccaggaaag agttacgtgt tccaggtaca ggccatgaat tcagctggtc tggggcaacc   1080
gtccatgccc actgatcccg tgctcctgga ggacaagcca ggtgcccatg agatcgaggt   1140
tggtgtggat gaagagggct ttatctattt ggcttttgaa gcccctgaag cccccgactc   1200
ctcagagttt cagtggtcca aagactacaa gggcccactg acccccagag gggtcaagat   1260
```

```
cgaggataaa gttaacaagt ccaaggtcat cctgaaagaa cccggcctcg aggatttggg    1320
cacctactca gtcatagtca ctgatgccga tgaagacatc tccgcaagcc acacgctaac    1380
cgaggaagag ctggagaagc tgaagaagct gagtcatgag atcagaaacc cagtgatcaa    1440
actgatctcc ggctggaaca ttgacatcct ggagcgaggg gaggtgcggc tttggctgga    1500
agtagaaaag ttatctccag ccgctgagct acatctaatc ttcaacaaca aggagatctt    1560
cagctcgccg aaccgcaaaa tcaattttga ccgagagaag ggcctggtgg aagtgatcat    1620
ccagaacttg tctgaggagg acaaagggtc gtacaccgct caactccaag atggaaaagc    1680
caaaaaccag attaccttga cactggtgga tgacgatttt gacaagcttc tgaggaaggc    1740
agatgctaaa                                                          1750
```

<210> 618
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(480)
<223> similar to gi2723316 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 618
```
ctacacataa gataattaat gctggaggga aatcccaccc atgtggcaaa gcttttaatc      60
aatcctcaaa ccttactaaa cataagataa ctcatactgg agaaaaatct tagaaatgtg     120
aaggatgtgg taaagccgtt atccagtcct caactcccac taaacataac ataattcata     180
ctggagagaa acctcacaac tgtgaagaat gtggcaaagc ttttaaccag tcctacaaac     240
cttttttgaac aaaataattc atacaggaga gaaacactac aaatgtgagg aatgtgacaa     300
agcctttaac cagtcctcaa ttcttaccaa acataagaaa attcatattg gagattaacc     360
ttatgagtgt gaaaaatatg gcaaaggctt tgactagttc tcagttatta ttattatttt     420
tggagatgga gtttcactct gttgccaag gctgcaatac tgaggcatga tttcagctca     480
ctgcaacctc cgtctcccag gtt                                             503
```

<210> 619
<211> 1452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (342)...(1383)
<223> similar to gi1203941 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

383
```

<400> 619

```
tgggaagaaa attatttcag agcttggata tttctgaaag actaaaattt ttgcttactt        60
tggattgtgt agatgacact ttaatagttc tggctgaaga gcatggttgt ttggacatta       120
taaaggagct tcctgaaact gtgatagatc ttttgaataa gtgccttacc ttccatcctt       180
ctaagaggcc aacccccagat gaattaatga aggacaaagt attcagtgag gtatcacctt      240
tatataccccc ctttaccaaa cctgccagtc tgttttcatc ttctctgaga tgtgctgatt      300
taactctgcc tgaggatatc agtcagttgt gtaaagatat aaataatgat tacctggcag       360
aaagatctat tgaagaagtg tattaccttt ggtgtttggc tggaggtgac ttggagaaag       420
agcttgtcaa caaggaaatc attcgatcca aaccacctat ctgcacactc cccaattttc       480
tctttgagga tggtgaaagc tttggacaag gtcgagatag aagctcgctt ttagatgata       540
ccactgggac attgtcgtta tgcccgctaa gaaatagatt gaaagatgtt gggggagaag       600
cattttaccc attactttga agatgaccag tctaatttta ccttattcaa acagcaataa       660
tgagttgtct gcagctgcca cgctcccttt aatcatcaga gagaaggata cagagtacca       720
actaaataga attattctct tcgacaggct gctaaaggct tatccatata aaaaaaacca       780
aatctggaaa gaagcaagag ttgacattcc tcctcttatg agaggtttaa cctgggctgc       840
tcttctggga gttgagggag ctattcatgc caagtacgat gcaattgata aagacactcc       900
aattcctaca gatagacaaa ttgaagtgga tattcctcgc tgtcatcagt acgatgaact       960
gttatcatca ccagaaggtc atgcaaaatt taggcgtgta ttaaaagcct gggtagtgtc      1020
tcatcctgat cttgtgtatt ggcaaggtct tgactcactt tgtgctccat tcctatatct      1080
aaacttcaat aatgaagcct tggtatatgc atgtatgtct gcttttattc ccaaatacct      1140
gtataacttc ttcttaaaag acaactcaca tgtaatacaa gagtatctga ctgtcttctc      1200
tcagatgatt gcatttcatg atccagagct gagtaatcat ctcaatgaga ttggcttcat      1260
tccagatctc tatgccatcc cttggtttct taccatgttt actcatgtat ttccactaca      1320
caaaattttc cacctctggg gataccttac tacttgggga attcctcttt cccattctgt      1380
attgggagta ggcaattctt caggcagctg cggggaccgg cttttgggct aatgggcttt      1440
aaatggagtg ta                                                          1452
```

<210> 620
<211> 651
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(652)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (651)...(92)
<223> similar to gi3169118 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 620

```
ttttttttttt ttttatttac atggattttc tttttaata gtaaagcatc atttattggt        60
cccgttattc ccgacaccaa acccatctcc actttacagt tgaggaaact gaggctcagg       120
gagtctacaa atcctggcca aggacagtgg cagaggcgct atctgtctcc aaagccccaa       180
ggtgttggcc ccnttcctgc tttggagctc caggctcctg tgaatgggag tctctggtct       240
gccccacttg gaggagccag gagaggcagg gaactggggg aggatggaag ctcaccccgc       300
acagccagtg cgaagatgca gcgtcggcag aaccaaggtg tgagcagggg ctggtcagca       360
```

384

```
ctgcccgcta tggggatgtg gcactgctgg ttggtaaccc aggccacact tcccgcagat    420
gaggatctca ttcagcggcc ctgatgtctt ccctaggcag atgttgcact tgggctcctc    480
tcctggaaca ccggcatgct gtatgtcctt ccataggacc cagtatttgg aattatcttc    540
gaaagtcacg aggcagcttt gcttagagct gctgaccctc ttgatcttcc cgaggtagta    600
caggccatct gtccaccggc acagcacata ctggccctnc gtcagtttgg a             651
```

```
          <400> 621
tcagtgtggt ggaattcaag aacctgagcg ggactatgag aacgagtctg agtcttcgga     60
gcccatactg ggcgaggaat ccatggaagg ggatgagcac attcacagcg aagtgagtga    120
aaaagtcctg atgaatagtg agaggcctga tgagaaccac agtgagccct ctcaccagga    180
cgtcatcaag gtgaaggaag aatttacaga ccccacttac gacatgtttt acatgagcca    240
gtatggactg tacaatggtg ggggtgccag catggccgcc ttgcatgaga gctttacatc    300
gtctctgaat tatggcagcc ctcaaaagtt ctccccagaa ggtgacctat gttctagccc    360
agaccccaaa atctgttatg tgtgcaagaa gagtttcaaa agctcctaca gtgtgaaact    420
tcactacagg aacgttcact tgaaagagat gcacgtctgc acagtggctg gttgcaatgc    480
tgcattcccc tctcgccgaa gccgagacag acacagtgcc aacataaacc tacatcgtaa    540
actgttgacc aaagaactcg atgacatggg cctggactcg tcgcagccct cccttagcaa    600
ggacctccgc gatgaatttt tggtgaagat atatggtgcc cagcacccca tggggctcga    660
tgtcagggaa gacgcctcct ctcccgcagg gactgaag                            698
```

```
          <400> 622
```

```
taaatggaga gacatactgt gtttaaggac tggaagactc aatattgcag ggatgtctat      60
tcttcctaga tagatttcat agataagatg caatcccaac agttttgaaa ttgacaagct     120
aagtttaaag tctacatgga aatgcacaag gtcgggaata gccaaaatgc tcttgaagaa     180
caaggaagga ggtcttgctc taccagatac caagacttat tataaagcta tagtaaacaa     240
gataataagg tatgggttta gagatgctca aatagaccag aaaggaatag agaacctgaa     300
aacactctca tacgtaaatg gacacttgat gtgtgacaga aatagcactg cacagcaatg     360
aggaatggac aggcttttaa ataatgtagg acaattgggt atccattagg aagaaaaaag     420
gaattggacc cctcct                                                      436
```

```
        <210> 623
        <211> 746
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(746)
        <223> similar to gi3880030 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 623
gtgggctgaa gctgcgcaag tcggagtcca agagcagcct ggccagccaa cgcagcaagc      60
agagctcctt tcgcagcgag gcgggcatga gcaccgtcag ctccacggcc agcgacatcc     120
actccaccat cagcctgggc gaggctgagg ccgagctggc ggtcatcgag gacgacatcg     180
acgccaccac caccgagacc tacgtgggcg agtggaagaa cgacaaacgc tccggcttcg     240
gcgtgagcca gcgctcggac gggctcaagt acgagggcga gtgggccagc aaccggcgcc     300
atggctacgg ctgcatgacc ttcccggacg gcaccaagga ggagggcaag tacaagcaga     360
acatcctcgt cggcggcaag cgcaagaacc tcatcccccct gcgggccagc aagatccgcg     420
agaaggtgga ccgcgccgtt gaggccgctg agcgggccgc caccatcgcc aagcagaagg     480
ctgagatcgc ggcttccagg acctcccact ctcgggcaaa ggccgaggca gccctcacag     540
cagcttagaa agcccaggag gaggcgcgga tcgcccagga tcactgccaa agagttctcc     600
ccttccttcc agcaccggga aaacgggctg gagtaccaga ggccgaagcg tcagacctcc     660
tgtgacgaca tcgaggtgct gtccaccggg acacccctgc agcaggagag ccccgagctg     720
taccgcaagg gcaccactcc ctccga                                          746
```

```
        <210> 624
        <211> 747
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(748)
        <223> n = a,t,c or g

        <220>
```

<221> misc_feature
<222> (56)...(726)
<223> similar to gi3063699 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 624

```
ctagtccagt gtcgtggaat tcctgggcag tgcctcttta agaagtcaag actcagccct      60
tcctcccagg gacatctttt cttgatactg acactccgcc tgtcccccat ctgggtcctg     120
aggccagcta gagggaggcc tccagggccc cgcatccccc tcactgccac atctgcctcc     180
caaccaggtt ccttgcattt atctgctcct gcaccttgcc cagtccccc agccctgcca      240
tctggccctc ctctctcctg cttcccgctc atgccaccat caagccgtga aatatccaga     300
cgctgccaat ctgatcaccc aactcgctcg cccaaggagc ctccacgggg aaatcccagc     360
tccttcctgg ggcccacgag cccctcctca gtctggctta tcccacccca cgcttcatcc     420
tggctacccc aaggtcgggc actgagcctc acacccagaa cctcgcaggg acgcatcctc     480
cctgtcagtt tcacctagta tcctgctccc cacaggcctg ggggggaaaa agtctagagt     540
gtgagccacc ccttccctgg cctcagtgtc cccagctgtc agagggatga gatgacagcg     600
ggcccaccct caggttgtca cgcagaccta gtgctgcgtg tggtggagag gccgtgagtg     660
ttcctgtgtg cttctttccc ccaccttcct gggttagtct gcagggccct cctcgagagc     720
ctgngtcctt gggtcctgga tcgttct                                         747
```

<210> 625
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(438)
<223> similar to gi3983139 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 625

```
actgtgtctt gagagcctgt caccggagtt ttttacctca gtggtgcagg gtgtgctcat      60
ctccctgctg ggctccctgg gggctcgggc tggcagcagt gaaagtattg ctgccttcat     120
acaacgcctc agtggatcca gcaacatctt tgagcctgga gctgatgggg cccttggtga     180
gcaaaaagga tgctttggct tgctccagga aggggcagcc agaggaatgt agatggcctt     240
ggtttagggg tattgccaag gtgggatgag gttgatgatc tggttgtggg tgggcaggcc     300
aggtggtaaa ggccattgct aacatctgcc cttgtccccc aggattcttt ggggccttgc     360
tttctcttct gtgccagaac ttctctatgg tggacgtagt gatgcttctc catgggcatt     420
tccagccact acaacggg                                                    438
```

<210> 626
<211> 509
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)...(363)
<223> similar to gi190672 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 626
ttagagtggc ggactgccag acagaacccc tcgagggaca gagcaggaaa gaggacaagg   60
ggtgggggtc tcagcagggg caaggcttca ctaaagaata ggggaccacg gggtgtggag   120
acacactgga atcttgtgga ccctctgagc ctagggtctg ggtggtgcct aacagcaatg   180
aaagggcaga gttccaggat tgcagatggc aaaacgcctg cgtggcagca agtgggagtc   240
ttcactggcc tgcccctcct tctgtgtggg gcactctcca cagggcttcc agctcatcta   300
gatgaggagc tccaagccac actccacgac tttagacatc aaatcctgca gacaagggga   360
ggtaagggga cccccctgggc ctcacggggt aggagtttcc cacaaattcc cctcattctc   420
agcaccagct tctagaacat agagatgaca aacaagcgtg cacatgcagg tcttggggaa   480
aggaatgatg cttgcttttc tgatgtctt   509

<210> 627
<211> 998
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(1001)
<223> similar to gi4240130 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 627
agtttccagg tgtctggaaa tgaagtatgg aaatgaaatc atgaataaag acccagtttt   60
cagaatctct ccacgaagta gaggaactca taccaatcca gaagagcctg aagaagatgt   120
tcaagctgaa agagtccaag cagcaaatgc actcactact ccaaacttgg aggaggaacc   180
agtcataact gcaagctgtt tacacaagga atattatgag acaaagaaag ttgcttttca   240
acaacaaaga agaaagcagc catcagaaat gtttcgtttt gtgttaaaaa gtgaagtttt   300
gggattacta ggacacaatg gagctggcaa aagtacttcc attaaaatga taactgggtg   360
cacagtgcca actgcaggag tggtggtgtt acaaggcaac agagcatcag taaggcaaca   420
gcgtgacaac agcctcaagt tcttgggtac tgccctcagg agaactcact gtgtcccaaa   480
cttacaatga aagagcattt ggagttgtat gcagccgtga aaggactggg caaagatgct   540
gctcttagta tttcatgatt ggtggaagct ctcaagctcc aggagcaact taaggctccc   600
gtgaaaactc tatcagaggg aataaagaga aagctatgct tcgtgctgag catactgggg   660
aacccatcag tggtgcttct agacgagctg ttcaccggga tggaccctga ggggcagcag   720
caaatgtggc agatacttca ggctaccatt aaaaaccagg agaggggcgc cctcttgacc   780
acccattaca tgtcagaggc taagtctctg tgtgaccgtg tggccatcat ggtgtcagga   840
acgctaaggt gtattggttc cattcaacag ctgaaaagtt tggtaaagat tatttactag   900

388

```
aaataaaaat gaaagaacct actcaggtgg aagctctcca cacagagatt ttgaagcttt      960
tcccacaggc tgcttggcag gaaagatatt cctcttta                              998




        <210> 628
        <211> 1523
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1310)...(0)
        <223> similar to gi1370543 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters




        <400> 628
ggggccccca taaaaaaact tttaccttgc cagcccgcgg tagtaaacct ggatccttta       60
aaacggcccc ccctttttttt tttttttctt gtttcaagtc caatttattt cacacaacac     120
acaggctgct gagggaatcc acctgcactg cactcagttg aacttccggc ccagtgccgc      180
gtcagagact aaaccatggg agaaagttca caccctggcc tgggccaccc accttcagct      240
ctctcctgtg cgtcaggacg cacgctggcc ccaagagctt cactcaacac ggctgggtcc      300
tgggcggacg tgggcacagc acttgccagg cgccctggc agggctctt ctcagtcctc        360
cgcaccgctc tcctctccgc tgtcttcgtc gtcgacccca ccctcggcgc cctcaacctc      420
ctcactgtcc tcttccgagt ccgtctcctc cagccactcc tgagtttctg ggtccatctc      480
caccaaggcc ttccacgcct ccatcctgtg caggtccagg cagtgcaggt cgctgagggt      540
gacctggcgg tcgccggcct caaacatgcc cccatagacg tagagcaccc catgcttcac      600
agccagcatg gcgttggagc gtggacacgg cccaggtgcg gggctgccgg cctcctcaag      660
gctgtcttcg tcctcagacc ggggctgccc cgccgagcct ggcgcggtga gcacctgctt      720
aatggtgacc acggtgccat cctcggccac cacctccttg accagctgca caggcccctg      780
ggtgccagct cccccacacg ccggcctgct accaccttcg ggctcctctt ttctgccccg      840
cctgcgtttc ttcttttcag acttgggtcc cttcagctgt ccctcaaacc aacggttcct      900
ggtggcgtcg tagaagtaca gatcgttgaa gaactcgccc gacaggctct cctcctcttc     960
ctcgtcacag acaccccga agaacagtgt ctggtgattc ggggccatgg ccacggaaaa     1020
gccagaccgt ggggtgggct tgaccccga agggttcatc cgagtccaaa cccacttgtc     1080
ttctcttccg tcctctggct tcagcaggaa catgtctgag tgccgtgtgc ccttgtccac    1140
gtctttctta actctctgtt tcgagtagcc cccatagacg acgatgccgc cctggggagt    1200
gacggacatc tggcagcctg atctgggtgt gggccccgtc cctgacgggg acagcttgct    1260
ccatgtgaag gtgtccagat taaaggcata cacgtcgttg tagtagatgt aatccctggt   1320
tagaagaaca gcagctgtca gggtccgtaa cattgggaaa agccctgaca ttaaaaactg   1380
aactgattta aattaaaggt aaatttccta ctgtttgggg aaaaactcaa accattttc    1440
tcctctgctc ttacaccaac acaacaatca acacagaaac gtggccggaa ttccaccgct   1500
ctggactagt gatctgcgat caa                                           1523




        <210> 629
        <211> 1219
        <212> DNA
        <213> Homo sapiens
```

389

<220>
<221> misc_feature
<222> (1)...(1220)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1031)...(1214)
<223> similar to gi2894106 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 629
tggaattccc cggctcgagc agccccagca gccctgctgt ccgggacttg gtggagaggc   60
atcaggttag cctgtgtcgc tcccagtcct tctcccacca gcagcctttc cgaagccacc   120
tcatgaggtc gggcagtgtg atggagcgca tagccatcac gccccctgtg gcctctcctg   180
ttggccgccc cctctacctg cccccggaca aggctgtgtt gtctctggac aagattgcca   240
agcgcgagtg caaggtcctg gtggtggaac ccgtcaagta gcaccgtgcc agctctgttc   300
cctcttacac tccagagacc caacgccccc agagggggatc cctgctcccg ggctgtgcct   360
cccctgggat gcctcccaga cgggggtgaa gaggcctggc agagctgcct gtcttgtgtc   420
tgctgatgag ggatggggga agaagctgtg aagtgggcgg gcatggctgg gactaagcca   480
ccagtattcc ccgagttcct gtggggggggg ctggccccac ccctaggcca gggcaagggt   540
tcccagagct cccttgtccc cggccctta ccctggttct gagtttacaa agtctcttcc   600
tcattcccgt tgagttcttt cccacctctg acattccctc cctccctccc gcagggctga   660
gattagaggg tggtgatggc taagggcccc tgacagtgac cttcctgtct caggggttgg   720
ggacagggcc aggtagcctc ctgccccctta tgtttacgtt tgcagcctga agcactttaa   780
ttttttttttt tttgggccgt tccctgtaac gttatttttcc aactattgca ttccaactga   840
aaaaaaacta ttaaatgcct gttcgggagg gaaaaaaaaa aaaggggggg ggcccctttta   900
aaaaaaccct tggggggccc aaatttaacc ggggatggaa aggaaaaatt tttttcctta   960
aggggggcca aataaaaacc tccttgggaa ttttggaaaa aaaccctttt tttgggggggg   1020
ggccaaattg ggcccacccc cccccaaaaa tttaaagcct ttagggaaaa aaaaaatttt   1080
taaggggaaa aggggggaaaa aaaaccccaa aacctgggg gttaaaaaat gggccnnnac   1140
ccnnacctttt aatacaanta caggcggntt gcttctgcct aacgataccc atcaggggg   1200
ggcctcagaa tctaatgcg   1219

<210> 630
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(289)
<223> similar to gi3193226 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 630

390

```
ccaccatgcc tggccagccc agcagtttct tatcccatgt agcaaccact ggtgcaggtg    60
gcagcctggt gcattgggga gtatggggac ctcctgctgg cagggaactg cgaggagatt   120
gagccccttc aggtgagacc tcattggggg tacactgagg agggacttgt cagggggaca   180
ggacttgcac cagggccact aactgtatcc atgtctgaag gtggacgaag aggaagtgct   240
ggcattgctg gaaaaggtgc tgcagtccca catgtccctg ccagcaggag gtccccatac   300
tccccaatgc accaggctgc cacctgcacc agtggttgct acatgggata agaaactgct   360
gggcgtcgac gcggccg                                                   377
```

```
     <400> 631
agttcnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn    60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   180
nnnnnnnnnn nnnnnnnnnn nnncctagag ttcttagaga atttctagct tctgtttctt   240
taaacatgtt ttattagctt tctaaattat gaaagtaaat acaactggaa aaatacaaaa   300
tccaaagtca agggagtaaa aaaatgtaac tcccttgttt cccctccccg cgtaaccgtg   360
gttaacagtc ggtgtgcacc cttacagatg tttttttctat gaaaatacaa acattcgact   420
tgtttcttgg actttacctc gcagtccgag gagaatcatg tgaacagcat gaaagcagca   480
tggtccgaag actgcaaacc ataacatttc catatctact gactctgaat tcctgtttct   540
agaggacccg cacccacgtg gctctgtgca tccgcagcaa cttggtcttt cttcctttgc   600
tgagtttggt taagggaaag ggccgattat tgagtgggct cagttcacag gtgcctgaaa   660
ttcctactta gcaatgttcc tttccagctg attccgcctc cgagagcctt aggaaaaaat   720
gctaacagtt aggagcgaag cgtccttaat tgctcagtcc aattatctag atgggtccag   780
gttcggtttc gattcagaga taaggaccag ggggcgggga cgcttccagg tgagcccctg   840
gttaggcttg cctccccgcg gagcgcacgc gggtctcgct ggctggactg ggcctttcaa   900
gaccaggtaa cttctccatc cggtatcgcc aggcttacct gggggcctca gaattgtgtc   960
agctgcgtct ctgagtcacc ttggaacccc tcgaaggagc gcggggctag gagggcgcat  1020
cggtgggccc ggggaccccg ctgctaggtg tggttggcgc caaggccgcc tctggccggc  1080
ggagccctgc agtgtccgga gggtgcggtc agagtccggc cctttaggcc ttgcctcggt  1140
atccgccttg ccccttgggc cgcggcacgg gttcgggccg agcgccggc atcttgcgtt  1200
tctggcttcc tgagacgggc gtgggacctc gaggaaacca ctctgcatga ccccacgaag  1260
agaactaagg accacccccc acccttcctg tcctggacgg cttcataagc cagaggatcc  1320
agtggcagta ccaagcaggg caccactctg ggtcgtgagc acctaagagg tggagcaaag  1380
gtcagacccc agggtggccc aggcctccct ccccgcctc cccggcgggg ccattcctca  1440
cccggaattc caccacgctg gactagag                                     1468
```

<210> 632
<211> 852
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (50)...(666)
<223> similar to gi726436 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 632
```
ctcagccggt ggaattcggg gcccagacgg gcgctttgtg atggggccca ctgtggcggc      60
cccccaggaa aggtcaggcc gggagcaggc agaacctcgg actccagccc agcgtctggc     120
ccggtccttt gactgtagca gcagcagccc cagtggggca ccccagcccc tctgcattga     180
agacatcagc cctgtggcac cccctccagc agccccaccc agtcccttgc caggtcctgg     240
acccctgctc cagtacctga gcctgccctt cttccgagag atgaatgtgg atggggactg     300
gcccccgctt gaggagccca gccctgctgc accccagat tacatggata cccggcgctg     360
tcccacctca tctttccttc gttctccaga aacccctcct gtatccccca gggaatcact     420
tcctggggct gtggtagggg ctggggccac tgcagagccc ccttacacag ccctggctga     480
ctggacactg agggagcggc tgctgccagg ccttctccct gctgcccctc gaggcagcct     540
caccagccag agcagcgggc gaggcagcgc ttcgttcctg cggcccccct ccacagcccc     600
ctctgcagga ggcagctacc tcagccctgc tccaggagac accagcagct gggccagtgg     660
ccctgagaga tggccccgaa gggagcatgt ggtgacagtc agcaagagga ggaacacatc     720
tgtggacgag aactatgagt gggactcaga attccctggg gacatggaat tgctggagac     780
tttgcacctg ggcttggcca gctcccggct cagacctgaa gctgagccag agctaggtgt     840
gaagactcca ga                                                        852
```


<210> 633
<211> 1760
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1761)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (152)...(1734)
<223> similar to gi3242649 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 633

```
tttttttttt ttgcaatgaa aacccttaa  tgttgggctt tctttaaata aaacagaaag    60
gttgcagctt tcccatggtg gctgtaaggc aagaacagca gtgagggcgg gcgtgttcta   120
tcgggcagtg ctgcagccct tgactctggc tcaaggtggg cttcctggag gcagcggcaa   180
ggaggcagtt ctggatgtgc aggcacagat gtaggggaac aggcaagcgg gcacagggcc   240
ctgagctgac aagcagtgac ccctgcaccc agctagatgg ggcaccccct ctctgggagc   300
tgagggcatc agctggagcc tcaggctggg accagcccca actttgcctt ggtgactctg   360
ggccattcca ggcctcagtt tccccagctg taaggtgagg cattaggcag gaggggtgg   420
ccccagccag tgtcctagta gcctggtgtc tccattaggg agacctgaga agctgccagg   480
agaggctctg ctagcgcaag gcagggccgg cccagcagct gacaaggaac atgctgaata   540
tagaggacag aggagttaag aagacgcctg ccggccaggc cagagagggg cagctctaag   600
ggggtacagc ggcctgtggt gctgtaggcc cagaaagggt ggggatcagc ccaagtcaca   660
gagcatggcc ctggtgggcg gcgaggggtg cgagtggaca aggacacccc tgcagagtcc   720
cacccccact ctattccctc caacaaggga acgcccagca ggaagcctgc tgtctttcca   780
ggagcccctg tgccacctag tctgacccct ctcagccaca aggctaccct cccgtccagc   840
ctgactggag gtagaggagg aggaggaggc aaggccgact gcagtgggga gcccgggtgc   900
cccgtcctct gtcagcaaat gcctcccttc catctgcctc tagccccggc ctctgaccac   960
ccaggctctg ccccaggcct gcaaccacct cagcggaagc cagaggggct gcctggcaga  1020
tgccgctctg acccttcagg agtgcccact gcacctgaat caggcccagg ccctggagag  1080
cccaggcctg tacccaggat gctctggtct ggccctgcct cggcccttgc agtggtccga  1140
gccaggatct aggctcggga ggcacttgtg ggtccctttg ctccaggcac catcctcccc  1200
tacctaggcc cacatgagtg gcctcatcgt agggccaggc aggactctcc tttgcccatc  1260
catccccacc ttgagggcag agctgggtca ggatgccaat gccactcctc cttctgccta  1320
gcgtggagcc cagcacagag gggtatcaat aactgggggg gcccagtggg tggagcaggg  1380
tgggccaggc tggtcaggag gctactccag ctggaacaga gtatggctga gactgcccat  1440
ctgtgggcag cccccaggcc caggatggtg gccagggcag acggtgtgaa ggtggcggtc  1500
actggtcctt ggtgacatca ctgagcccac tctccatgcg gagcagctgg ctgctggcct  1560
cgttgtagga gatccagtgc tgcagatcag cgggcagctc aggggggctcc accctgcgct  1620
ggcacaggtg ctgcacgacg cgctcgggtg aggtgcccag caggtgctgc cggaagcgca  1680
gcagcgcgca cacgaaaccg tcccgcaggc tgacaaagcg cgcctccagg tagaacgcgc  1740
ggaagtcgnn aaaacgggtc                                             1760
```

<210> 634
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(518)
<223> similar to gi3327142 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 634

```
ctggtggatt tcgtcatggc catcagtccc agtgaggaga ccaagctgca gatgttcatg    60
tggagccgca tcatcttcag cctgggcttt gtcattagtg gccactacaa ggactttgcc   120
agggatgtgg cagcctccat agcattcacc aatgacctga cggtgagca cccgcacaag   180
gcagcggaca tggagggtct gtacacgctg gacacagcag aggtggatga ccgcagctac   240
```

```
tgggtcaggt tccagtcctc atccctggca tcctggagtg ggaccaggag cagagtgtca    300
tctatggctc cactgacttt gtaagatggt ggtgtggccc ccatcgtgtt gcctggatct    360
gctggagcat gagttaactg ctcaagaccc tgtgccactg catgctcaac cagtgcaacg    420
atgaggcgga gctcttctcg gttgagggca agggtgtcac tggcaatgac agatactacc    480
tgctgagccc cctccccctg acctcagctt tcctgcct                             518
```


<210> 635
<211> 1213
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(865)
<223> similar to gi3676826 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 635
```
acccagctaa acctgttcct tgaagaaagg gtgaacctca aattcaaagc ccctctcttt     60
ctcttccctc atcagaatcg gctcccagac acctgccact cgtgaatgca tctgataaac    120
tcactcacac tgaggccttg gggactgagg ccctggcgga tcacgggtgc ccaggggctc    180
ggaggccgcc tcctctggga agcctgccca ggttccgatg gactcccaca ggcaataccc    240
ctgggccttc ctcgcggccc ctgttggccc caattccccc accccctgca aggtctgtgc    300
ctctcctgca gccccgccac caactagggc gagaggagct cgcccccacc caaacgtatt    360
ggttcgatga aggaagggcc catggttctg ccactggccc tggacaccca gtgctggttt    420
cccgtggaag tccccctgga ctgagtggcg gctgggtgct ctagtgattt gcgacctggg    480
gcctctgact cccatcatgt tgggaaagtc gttgaacctc accggtgaaa cgggcacagt    540
gaagtcattt ccccgaagtc tcaggactct gtgtaaggct ggggacaggg gcttgttggg    600
gcctaagggc accttgggaa ctgcaggagc ccgttctgcc tccataagac actcactcct    660
ggcagggtcc cctctccggg cacagcccag atccaccccc atcatccctc tccatctgtg    720
gctccctgcc cctcacagag gattcatcac tctgttcaga atccccagga ctccctaggg    780
aaggaggtcc cagcctggcc tcccaagacc gtgcttgccc aattccagga cttcctcaca    840
tggctcctac ctccagcaca gaagcggcac taaaccaggt ggtcaatcag ggagcaccac    900
cgaggttctg aatggtccag ggatgagcag tgatgcctca agctaagcca atcaaagcct    960
tccctgggat tgtctcaagg agtccgcagt gagattctgg gtctcagtac tgggaaaggg   1020
tgaggctgag gctgcctgct gtcctggggg cctcaccctg ccaccaacag gaagccacac   1080
agagggaagc agaaatgaga cgcagccagt gagggcaggg tacaaaggtg agatcccgga   1140
gagacagatg ctgggacatc atccttgggt actggttcca acagtgcctg cagatggagc   1200
caccctcgga gag                                                       1213
```


<210> 636
<211> 1124
<212> DNA
<213> Homo sapiens

<220>
```

<221> misc_feature
<222> (2)...(1094)
<223> similar to gi214044 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


        <400> 636
gggcccgatc ccgagcccgc ggccgtggag gttcccgcgg ggcgcgtgct cagcgcccgg      60
gagctcttcg ccgcccgctc gcggtcgcag aagctgcccc agcgctcgca tggccccaag     120
gactttctgc ccgacggctc ggcagctcag gccgagcggc tgcgccggtg ccgggaagag     180
ctctggcagc tgctggcaga gcagcgcgtg gagcgcctgg gcagcttggt ggctgccgag     240
tggaggccag aagagggctt cgtggagttg aagtctcccg cgggcaaatt ctggcagacc     300
atgggcttct cagagcaggg ccggcagcgc cttcacccgg aagaggcctt gtatcttctg     360
gagtgtggct ccatccacct cttccaccaa gacctgccac tgtctatcca ggaagcttac     420
cagctgctgc tgaccgacca cactgtgacc ttcctgcagt accaggtctt cagccacctg     480
aagaggttgg gttatgtggt tcgacgattc caaccaagct ctgtcctgtc ccgtatgag      540
aggcagctta acctggatgc cagcgtgcag cacttggagg atggagatgg caagagaaag     600
aggagcagct ccagccctcg gtccattaat aagaaggcca aggccctgga caactccctg     660
caacccaaga gtctggcagc ctccagccca cctccctgca gccagcccag ccaatgccca     720
gaggagaaac cccaggagtc aagccccatg aagggcccag ggggcccctt tcagcttctg     780
gggtccctgg gccccagccc tggcccggcc agggaggggg tggggtgcag ctgggagagt     840
ggcagagccg agaacggagt cacgggagcc ggtaagcggc gctggaactt cgagcagatc     900
tccttcccca acatggcttc agacagccgc cacacccttc tgcgcgcccc agccccagag     960
ctgctcccgg ccaacgtggc tgggcgggag acagacgctg agtcctggtg ccagaagctg    1020
aaccagcgca aggagaagct ctccaggcgg gaacgggagc accacgcgga ggccgcgcag    1080
ttccaggaag atgtcaacgc cgatcccgag gtgcagcggt gctt                     1124




        <210> 637
        <211> 837
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (103)...(831)
        <223> similar to gi3413391 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters




        <400> 637
tttttttttt ttagggttta aaaaggggct tgtttaatta attaaataca aggatgaggc      60
caggcagggc gggggagggg cgccacccac ggaaagcaca cgcctctcgg agccgcctcc     120
cctgcaaacg gctggaacca ggtcccagtg atcagcgact cctgggagag tggaggggtg     180
ggcgcaggtc tctccgagcc cctggacact ggagaggggc ccagttatag agttctggaa     240
cccacagccc tacctacccc tgctccagac aggcccctgc cagggctggg gccaaccaag     300
actcacaaag gaaacgggg ccccagtccc ccacccaccc ccacagacta aggcatctca     360
ctagcgctgc cagaagaggg tttgaggcta gggacagaga acacagagag ccgagggctg     420
gatggggcag gaccctccga gcccagctcc agaagggcgt cccctgcctc cctcccccca     480
ggatcccagg cacccatccc tggatcctgc caggccgggg ctgggtccag gtgcacacca     540




                                  395

```
gtgccatcca aagccccct gtccccaagc gagaggcagg acggttctgg aacaaaaggg    600
ggtaccaaaa acctcctgca gccaacagtg gggggatcca cctttctggg tctgacatgg    660
aaccggggac ccttctcatt ccaggctggg ggtcctcaat accccccca agaggaaatg    720
caacccaggc cacagcagga cgaccgctga caaggacaca aaggtggccc ccgaggaaca    780
agtccccacc ccacccaagt tcagctcaga gaccccccga attacaccac acgggaa      837
```

       <210> 638
       <211> 964
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (21)...(209)
       <223> similar to gi3598974 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

       <400> 638
```
gtccagtgtg gtggaattcc cgggagcctc ctcaggctcc ctctattaaa gccgatctga    60
ctccgcccag ccagatgtcc cgagtgcgcc aaggactgtc ctctcaccca ctcctggatt    120
ctgccctgac ctccatcctg gacactgcct tgataacata gacccttcca ctgacaccct    180
cgctctcaca ccccctccag ctttccgacc ccacaccgac aactccccgg cttccagacc    240
ctaccagcac taccctaacc ctcagccgac agtctcagcc ccaccgaccc actttcttgg    300
catatagccc cacttaagac ccctcctcta cttccttctg agtcctctac aaagacatcc    360
gggtactaca tttccatccc ttccctattt tgacaccaaa ttatggtgta gacagccctc    420
ccccaacccc aggccagtca ggcacaatcc ccccaccccc caaacgtcct ggactgcaca    480
gacctcccac tccagaccat ccaggcctgg ttcccaagac ccgatccttc ccctgcaacc    540
agacagtcta caactgcccc ctccagccca ttttctgccg tgaaacccca gccagccaca    600
ccagactctg gaaccctttt tcgactgccc caactcttgg acaccaggcc aactagaaca    660
cccaacacca aactgtacag actctcccac cccaacctcc ccagactctg cacggatgtc    720
ctaggccccc tccccaactc taaccagacc ccatcccct aagtcccttt gtcttgaccc    780
ccaagtcttc aaccaagata tcctcggcaa ccccacctcc caccctcctc ctctttctcc    840
tttcaaagac ccaactgagc acccgctctg attccccaca gcctttctcc ctgggcacca    900
ctcccttagt ctttcccagg cttactctcc cgaataaatg tgctaggagc tctgaaaaaa    960
aaaa                                                               964
```

       <210> 639
       <211> 1353
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (110)...(1206)
       <223> similar to gi2754696 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

<400> 639

```
tttttttaaa gttcacaaac cccttgaact ttatccatga gattttctga tgacccaatg    60
acttaatcct gctactgact taatcaaaac ccagtccctapa cagaagagac ctgctccccc   120
gtcacagcgc cccccaccgg cccccatgc cgcttatttt aaaagcgcag ctcccacagg   180
ctgcctttcc ttcagtttct gtccatgccc ccagccccag gctgccctct cttggcggca   240
ccgtcccacc ccgcctgctg cactgagccc gctgggcctg ggggactctt gctcagtaga   300
acccgaggcc agcaaaagct cttagcccag gatggctgca gcagcgacag tcctgaaggc   360
tacagagaca cctggaaagg gaacaaggag agcacgacag tccctgtgct gaggatccag   420
ggtggtggcg gcaggggtta gtgtacagtc tcgagaaaac agggcggcgg caggggctg   480
cactgacctc tatacaccga gagggttttt aaagttgaat gacaagggca cagctacagg   540
aacgacccca ggaagaagtc ccgtgacggc tggagtcaga agcccctgaa acaagcacct   600
ccccagtgag gccccaccgt gtacccaggg tgctcatgac cacccccagg ctctgcagcc   660
tggccagaga ccaccgaggc cccaggaggg gcttcagaga tggagatgaa gctgcatctc   720
cgagccatga ggccagtgg ggcccggaca gagggagcct ggtgttcaca caccacatct   780
gttttccaac aaagtcaaaa cacggtgggt cctttcagaa gatccccagc acccgacact   840
tcaactcaga ctccaggcgt cgggcgaggc cagacccagg agatcacagc ctgtagcggg   900
gacagaaagg tgtgcactcc tggaagcgtc cagcaacttc tctcttgttc aagtggcacc   960
ccaggtccag agcggggctt gtggggagag gagcacgggg gcttcgtcct cggaggcgcg  1020
gagctccaag caagggctga gcagcagctg ggagtctccc ggaggccaga acattactgg  1080
ccccgtgtgc acatgcgcct tcttggagtc ccaaaaggca gataccacgt atcccaccaa  1140
atatctactt acagattggg aaattgaggc aaaaagctca ggtaattccc acaaggccac  1200
agagctggta agcggtgggg ttgagattca gtggcaacgg gccgaggtct cctgggtgtg  1260
gtgtggaccc tgatggtgag caggtaggg acctcctcga gcccccatgg aatcaggctg  1320
cttaccatca cgaaatccac cgcgctattc agg                              1353
```

<210> 640
<211> 1081
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1082)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (999)...(329)
<223> similar to gi159714 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 640

```
tttttttca aaagatgaaa taacacactt agcatttatt gagcagctac gggatgtctt    60
gccttgcgct acaagaactt tccattttca tttcctttca cccctaggag gtagggattc   120
tttgccttcc agcacacaca gcagcctggg cccaancaag cctctaggat tctctaggaa   180
cagaagctca acagtgacaa accatgtctg tggctgagcc ccaaaagtcg ctggcctgtg   240
```

```
ttgggtgtga atggatgtta ggtgcctcga gtcagcgaca gagaccaacg gcaagggtag    300
ggatctcaga gtgcattgtt agagcctcgg ggtctggtcc aggaggccag cattgttgac    360
attttgtgat cttggaaccc ttctccctgc agcagaggga gcattaggga ggccgggaga    420
cagtgggagc acccccctcac tgtaatgaac acaagtcccg tagggggctg atggagcagg   480
gccacctcaa tggacccact ttccctcccc agccctgat ttgatcaggg ccacagctgc     540
cggctagcag gggtggatgc tcccccgccc acttcctgga ggtccctgaa tgtccccatg    600
agtagggctg aggaacaggc cagaggtctg gcccacctgg ggccctgggg catggagaag    660
gattggggcc caggcacttt ggtgaggcca gtggaggcca cagtcccacc cagggccctg    720
ccccggctac ctatgttcat aatccccagg ccaggataga gatcctcgct gccctctctc    780
caggaacccc tgccccgcct caccagtgtc tgggtccctc cctgggcctg ggttcctgca    840
ggacctggct tgggcaccac cctgcatccc tgatttccac ctgtgagcct ggcctgccca    900
cgtcccccac ccttcttctg ccctctcccc acctgggtca gcggcccct ggaggcgaca     960
gggctgaggc ccgtccttgc gctaagaatt cctccccca aaacctgccc catacactga    1020
acaggcaaga ctactgctaa ggcagtgatc tgggcgccgc aggccttccc gaattcccac   1080
a                                                                    1081
```

<210> 641
<211> 2446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2447)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (581)...(2428)
<223> similar to gi1418928 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 641
```
ccccaagcaa ttgggcgaac atcttcccgc ctagcnccaa atcctggctt tcagcaccca    60
ggcccagctc agcagagcca gtgtaggctg ctaggagaca aatgcccagg ctggactatg    120
ctctccacag tacctggggc ccccatcctg ctaaacgcta caggggggtct gcccagcccc   180
acctcacctg tccccatgct caggcactgc cttccctgtt ttaccccccag agtgtacaga   240
gatgcccct actctcctcc cctgctttaa aatccttcaa tcacaattcc acagaggact     300
caccttgcct atgtgtataa aaacaaagcc agggcatgcc cacaagcagg agatgggaac    360
atcacccgca cctggccgaa tggctctgaa gcgaagactc caccaggccc agattgtatg    420
gagtggaagg tgggggtggg ggaggagcag cagagtgcag atttaaactg gctcttacaa    480
tccatctcca gggtttgcac ctgtttcccc atgtagtttt taatagcatc ccgcttcata    540
ctcagaagtg tcccagggtg acaagacat tgtgtggcac ccttgcaatg gcccgcgctg     600
agcagtggga gtaggggatg gggagggcgg ggggcaggtg cccctctcca ctcaccttcc    660
cagaaggccc cacccacctc cctcagcacc atctccagtg ggtgggggcaa catctgtcct   720
ggcctcagat tgcccaagac accatttgct cacggaggcc accatgcccc aatatgtact    780
tcccgtttcg ggaccaccaa gctctgggga ctggaatgca ggcagtggaa gccccagatt    840
gacttaacct gttgacagat cttcagagaa actgctggta ggaggcagct ggggaaggtg    900
gcgatggcca gtgggcaggc aggcctggcc ccagagccac tgtggtacaa agaggaagtc    960
tgacagaaga gcagcctcgg gcaaaacggg ggagccaagg cggccacggg ggagaagtct   1020
```

398

```
ctccaccgtg ccctgtgtct ggtgcctggg agggtggccc agtgtccatc ttgtcccact   1080
gatgctgcca catcccaagg ctcatgtctc agaacgagag ctgctgaagg gctggacgtt   1140
ctgagacttc ttaagatgta agtcatttgg catctgtagc tggtgaattt caggtctcta   1200
ggggagaatc tcagcacccc aaaatccttg gaacaggggc tgagccgtcc agcatcccca   1260
tgtagcatcc agaggggttg aggggctggg cttctgggat gtcacagtat ctgagcccag   1320
agcaggaggg agggaaccag ggccgaggcc aaggaggcca ctcacagagc cagccctggc   1380
tcaaatgcac ctgccccaga cccagccaca acagcccact gtcccccagc tgggctagat   1440
gacctcaaag tttggagagt cagggacagg gtccagggat gggaagaaga cgtctccggg   1500
gcctggagga gacagggggg tgctgggctc cgaaagcaga tgccgcccag actcagaagg   1560
ctgccgctgg gccacatagg acaggggggtg cctgactttg gcctcgggta tcccctgggc   1620
aggtggtgag gcttcaaagc cggggttttc aatcccttga atgttgctgt ccatccgcac   1680
cagctcctgg gcacggcggt tggaggctgc ctgcctttgc ttgtagacca ggagcaggat   1740
gagggggagg cagaggattc ctacgatgca ggcacccgta gccagggctg cagccgtgat   1800
gttttcactc tcctgggagg aggatgggta caccacacag ttggatggtg catctttgcc   1860
tgtctgcacc tgcagttcca tggcaccatg gaccctgtgc tccgagtggt ggtgcctgat   1920
ctccaccacc aggcagcagt agaggccgct atccagcagg gtcaggttgc gcatggtgat   1980
ggagaagttg ccatggtggt cggaggccga ctccagcccg tggcgctgag ccaggtcgtg   2040
gctggtgttg gcagcctggt ggcctccatg gtgcaggtga aggtcctgga acgtgaggtt   2100
gcggatgggc cggcgctctg agcaggtctg cacctcgccc ctcgagctgc ggtaccacgt   2160
cttgtagaag gtcacatcgt gccctttgtc cacagggccc aagagcctgc aggtgagggt   2220
gacgttctgc ccctcgggac agacatacag ggaatacggc gtggcgacct tgaaggctgc   2280
caccggacct agggacgcag ccaggaagag agcgaagagc agggatcccc agcgccagct   2340
gccggcctcc agggccgtgg ggacgcccat gtcgccgtcg gacgcgcaga ggaacttctg   2400
gtgccgggga gcgggcggga cgcggccggc gcggggaagc ctcccg              2446
```

```
<400> 642
aaaacacaga tganaatgag atgtccttca agtctacagt ggatctgaag ggagggctat    60
tattttctgt gagacgaaga agaatgtaac tgacatggcc atgaatccgc acaaaacaga   120
atgcactgtg tttacatggg gacattgcac agtcacaaag agaaattaca ctaaaaggct   180
tcagagaggt aattataaag ttttggtggc aaccaatgtg gctcctcgtg gtttggacat   240
tcctgtagtt gacctggtga ttcaaagttc tcctcctcag gatattgagt cctatatcca   300
tctctctgga tgcgtgggta aagctggaca gacaggggtt tgtatatgtt tttatcaacc   360
aagagaaagg tcaactaaga catgtggaac aaaaaacaca aattacttt aaatgtgtag   420
gtgttccttc tacaatggat ttagttaaat ttaaaagcat ggatgccata aggtctctgg   480
```

```
cttccattta ttatgcagct gttgattttt ttccaaccat cagctcagat actgatagaa    540
gagaaagggg cgatagatgc attggctgca gctttagccc acatttctgg tgtatcaagc    600
tttgaaccat gatctttaat caactctgat aagggtttg tggccatgac tctggaaagc     660
ctagaggaaa tacaggatgt cagctgtgct tggaaagaac ttagaaagaa gaatagtaat    720
gcagtgtctc agattaccag agtgtgcctc ttgaaagaaa atgaattcca ccacgctgga    780
c                                                                    781
```


<210> 643
<211> 970
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(971)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (15)...(872)
<223> similar to gi2653222 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 643
```
gtggtggaat tcgccacccg gaggagccgc tctcccggct cagccgcaag aggaagctcc     60
tggaggacac agagtcaggc aagacacttc tgttggatgc ctaccgtgtg tggcagcagg    120
gccagaaggg tgtggcctat gacctgggcc gtgtggagag gatcatgtcg gagacctaca    180
tgctcatcaa gcaggtggat gaggaggctg cgctggagca ggctgtgaag ttctgccagg    240
tccatcttgg ggctgccgcc cagagacagg cctcggggga cacccccacc actccaaagc    300
accccaaaga cagccgagag aacttctttc ctgtgacagt ggtgcccaca gccctgacc    360
ctgtgccagc tgactctgtc cagcggccca gtgatgctca caccaagcct cgccctgcac    420
tagctgccgc cacaactatt atcacctgcc ctccgtcagc atcagcttcc accctggacc    480
agtccaagga ccctgggcct ccccggccac acaggcctga agctacccccc agcatggcct    540
ctctgggccc agagggagaa gagctggcga gagtggcaga gggcaccagc ttcccgcctc    600
aggagccacg gcacagtccg caggtgaaga tggcccccac aagttccccg gcagagccac    660
actgctggcc ggcagaggct gccctgggca caggcgctga gcccacctgc agccaggagg    720
ggaaactgag gcctgagccg agaagggatg gggaggctca ccacctcnnc catcacacgc    780
actgcttgcg ccattggtgc caccccctcga gccaaggcca acgcaaagta ctagaggtcc    840
agtaccaatg agtgacccca cctgtgtccg cgatgctcac ctctaatgtt cctccaccga    900
cagtccctct aaggcgctct attcattcca gagccacttg ggcccctgct tgcctacctt    960
gagcctgccg                                                          970
```


<210> 644
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(616)
<223> similar to gi2065210 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 644
gcgtgtggcg gaattctcca ctgctcctat acatactgcg ccacctagaa gctgctagac   60
tgatggaatg ttggtatggt ctgctttagt gccaggtggg agacaatacc ctgccaagat   120
gtgccaccgt ctcctgcaca cagtatactt attgaatcag aaagcctgta tgatgctgtg   180
tctacaacag gaatatatag atttcagaac caaggagtgg aggcaggagt gaccccactt   240
accatcgcac ccaacgaacc actgagggac ttagtacttc ccatgcccac aactccaggt   300
tctacagcat cagaagtcct agttctcaga gactgtatac cttctctagg caatattgca   360
agaatcccat tgaactacag tctgctgcta ctatgtgggc actttggact ctgtgttcag   420
ggaccagtag gcaagaagtc accatctagt caagggtaat tgaccctgaa ctgcaggagg   480
aggcaagcct gctgtcagag gatagtggcg agagcaatgt gtgtggaact tagcggaccc   540
actggaggca ccctctgtac tccttgccca gttgtaactg aatggactag tgcagcaacc   600
ctggtctgag aagggt   616

<210> 645
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(415)
<223> similar to gi790862 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 645
taccgtgcgg tggaattccc ggaactacac tcatggaggg acagcagtca gaccccuccc   60
ccatgtctta tccgtagact tgaccacatc gtgatgacgg tgaagagcat caaagacacc   120
accatgtttt attccaagat cctgggcatg gaggtcatga cttttaagga agaccggaaa   180
gcactgtgtt ttggagacca gaaatttaac ctccacgagg tgggaaagga atttgaaccc   240
aaagccgctc acccagttcc tggctccctg gacatatgtc tgatcacaga ggtgcctttg   300
gaggaaatga tccagcacct caaggcttgt gatgtcccta ttgaggaggg gccagtcccc   360
agaacagggg caaaagggcc tatcatgtcc atctacttcc gagaccccga cagaaatctg   420
attgaggtgt ccaactacat ctcctcgtga tggaggctgg acctcctcca ttctgtcccc   480
cttgatgtcg ccctctcctt tccttcctgc aaaccccacc ccaggcccag agatctccaa   540
agactgagga cttaggcact tcacacatcc tgctgagggg ggacccaaga caggtttggg   600
accaaaccta catgtctgta tgtcatcaaa gttggcctaa taaatgcata acctctcaat   660
gaaaaaaaaa aaa   673

401

<210> 646
<211> 1120
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(601)
<223> similar to gi1212744 in the genepept database ·release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 646
```
cagcagcggc tcaggacaaa gggcaggtgg ggccaggggc tgggcccctg gaactggagg        60
gagtgaaggt ccccttggag ccaggcccga aggcaacaga gggcggtgga gaggccctgc       120
ccagcgggtc tgagtgtgag gtgccactca tgggcttccc agggcctggc ctccagtcac       180
ccctccacgc aaagccctac atctaagcca gagagagaca gggcagctgg ggccgggctc       240
tcagccagtg agatggccag cccccctcctg ctgccacacc acgtaagttc tcagtcccaa      300
cctcggggat gtgtgcagac agggctgtgt gaccacagct gggccctgtt ccctctggac      ·360
ctcggtctcc tcatctgtga gatgctgtgg cccagctgac gagccctaac gtccccagaa       420
ccgagtgcct atgaggacag tgtccgccct gccctccgca acgtgcagtc cctgggcacg       480
gcgggccctg ccatgtgctg gtaacgcatg cctgggccct gctgggctct cccactccag       540
gcggaccctg ggggccagtg aaggaagctc ccggaaagag cagagggaga gcgggtaggc       600
ggctgtgtga ctctagtctt ggccccagga agcgaaggaa caaaagaaac tggaaaggaa       660
gatgctttat gaacatgttt tgctttttta acatatatat atatttataa gagatccttt       720
cccatttatt ctgggaagat gttttcaaa ctcagagaca aggactttgg ttttgtaag        780
acaaacgatg atatgaaggc cttttgtaag aaaaaataaa agatgaagtg tgtttcttgg      840
gctcagccca tgggtagaag ggctgggtgg agggagatga agaaggagtg gccctcgctc       900
tggggaacaa gggcccctca acaacccctg ggcttgggca gccctcccag gtgtcctgac       960
ctgggtgcca tccaccctat gcttgaatga ggtgaggctg ggcccaggtg ggagcagggc      1020
tgcctctggc ctcggacaag gacgggtcag ggagcctcac cttccccagg ccctgtcttc      1080
tgccagcagg ggctctggcc catgtgcggc tgggagaggc                            1120
```


<210> 647
<211> 584 ·
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(585)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (51)...(584)
<223> similar to gi3044086 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 647

```
agcggccgcc agcgccagct ggtagtaccc ggctgcatca aacgggtcct tcaggtcgta      60
gaagatgatg tcaccgagca ccaggtacac cttcacgtag tagaggggtc tcctcgtcaa     120
actccagcgg cgagttgcag agcgacaggg ccttgaggta gaagtgctct gccagctcgc     180
catggcccag tccggtgttg cagggcggcc agccgggtgg taggccacgc gctcgttcag     240
ccggtccccc agggtgatgc tgagtgctag ggccatgtgg gcaaactcca agccctcctg     300
gggctcctcc cagcgtggcc aagcagtgcc accagcttgt tgcacagccg cagctccgcc     360
ttgcgtatgc ccgtagtcac tgccaagggc atgggcccgg tcccggtaga aggacacagc     420
tttctcccgc tcccaggccc cgtcgaagaa gatgtctcca gccgcctcaa acagctccag     480
ccccaggttg gggtcgcctg tgtacagggc cacgttctgt gccacctgga tgtagaggtc     540
caccatgctc ntctgccgca agatgtaata gatcttccct gctt                     584
```

<210> 648
<211> 791
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (54)...(794)
<223> similar to gi4589654 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 648

```
tattgcaaga gaacactcag atcgagccaa gtgaacccaa aaaccaagaa gaaaagaaac      60
tgtcccaggt gctaaatgag ttgcaagtat cacacgcaga gaccacattg gaactagaaa     120
agaccaggga catgcttatt ctgcagcgca aaatcaacgt gtgttatcag gtgcaaggaa     180
agatggtaca ggaaggggat ggataacagg aacgtgggaa ccactcacag gactgggaat     240
gaagcaagac ctaagtttcc agggctgata ccaggaggaa ctggaggcaa tgatgacaaa     300
agctgacaat gataatagag atcacaaaga aaagctggag aggttgactc gactactaga     360
cctcaagaat aaccgtatca agcagctgga aggtatttta agaagccatg accttccaac     420
atctgctcaa agatgttgct tatggcaccc gaccgttgtc gttatgtttg gaaacactgc     480
cagcccatgg agatgaggat aaagtggata tttctctgct gcatcagggt gagaatcttt     540
ttgaactgca catccaccag gccttcctga catctgccgc cctagctcag gctggagata     600
cccaacctac cactttctgc acctattcct tctatgactt tgaaacccac tgtaccccat     660
tatctgtggg gccacagccc ctctatgact tcacctccca gtatgtgatg gagacagatt     720
cgctttttctt acactacctt caagaggctt cagcccggct tgacatacac caggccatgg     780
ccagtgaaca c                                                         791
```

<210> 649
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (444)...(61)
<223> similar to gi2078483 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 649
cggaattccc gggtcgagcc ccacttctga ggtagagcta ttgggcccccc tgtgctccag   60
ggaggagttg ctgctgtagt tcatctccag gctgcaggtg gacacctgat cccccgaggg   120
agaggcaggg cccggccaag gctcgccccg cccagcacca tgactgtgca ccgccgggag   180
ctcctcggga ggcggggagc cctcgaagca cagggcaggt ccccggcccg agctgcccga   240
gcccccccgcc tcactggcac gacaggggct ccggctgcgg tagatgaagg ggtcatagtc   300
gctgctgagg gagctgcgga aggtggagca gctcccgtac acgccctggt tgctgacctc   360
agtgcagtct accacagagt cactggagga acagtggcac tggccggagc tgctgctgct   420
gctgctgtcg ctgcctgggc agc   443

<210> 650
<211> 710
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(713)
<223> similar to gi2078483 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

    <400> 650
ggctgtgctt agcgaccgca ctcctaggaa cctccacgcc ttcctcatct ccgtccgtgg   60
cagcttcgcg gagagcggcg ccaccaagaa cctcctggac tccatggcgc gcaatgtcgt   120
gctggatgcc ctgcagctgc ccaagtcctg gctgaacggc tcttccctcc tgcagcacat   180
gaaattcaac aacccgttct acttcagttt cagccgctgt accctgtcag gcggccatct   240
gatccagcag gtcatcatcg gcgggaagga cctgcggagc ctggccagct tgaacctcag   300
cggctgcgtc cactgcctgt ccccagactc gctgctccgc aaggcggagg acgacatcgt   360
cagcagcatc ctggagacgc tggtggcgtc ctgctgcaac ctgcgccacc tgaacctctc   420
ggccgcccac caccacagct cggagggcct gggccgccac ctctgccagc tcctggcccg   480
gctgcgtcac ctgcgctccc tctccctgcc tgtctgctct gtcgctgact ccgcgccgcg   540
cgccgaccgc gcgcccgccc agccggccat gcacgcagtg ccgcgcggct ttggcaagaa   600
agtgcgtgtg ggcgtgcagt cctgtcccag ccccttctcg ggccaggcgt gcccccagcc   660
ctcctccgtg ttctggtctc tgctgaagaa cctgcccttc ctggaacacc   710

    <210> 651

404

<211> 1026
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (332)...(13)
<223> similar to gi4079809 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 651
cgttccggaa ttcccgggtc gagtctagtt atttttttacg caagaccagc gtgcttgtgc   60
acggcagtgt ttttctctgg tgtctgtgtg tttggtggta acagcagcga gtcagatgag   120
acaggtgtgg gaggccactt gtttgtggag aagactcaga tcagtgcgcg ccgacttcct   180
tgtcagcaca gaaccaagct tgaaacatgc acttttaaat caataccaga aaagaacaac   240
gaaaatagtg gcttgctttg ttggcccttc ctttgtactg ggctctgtgc agggcatgtc   300
acctgagctg tcactgtgtt tagtaccagc cccccccctta ataggtgtgg acgtcttcct   360
gaacagcctg aagcagacgg tggtgaccct ggcaagcagc gcagacgtgc tgagcaccgt   420
gcagtcggcc tcccaggcca tgctgcagag cggctggtcc atgctgttgc ccaccgctga   480
gaagcaggcc cgggcactct gctctcctgt cctgcggagt ttcaggcaat gaagtgaaca   540
taagtccagg tcatcgattg gtgattgatc ttctggtggg cagcttgatg gctgctggag   600
ggttggagtc agccttacac gcagccatta ctgcagagat ccaggataca aaaaaagaag   660
cacggaagga aaaagaaatt tatgaacagg aagcaaatgc ctcaacattt catagaagga   720
ggactccatt ggataaaggc cttattaata cggggatctg tgagtcttct ggcaaacagt   780
gtttgcctct ggttcagctc atacaacagc ttcttaggta aatcatatta gctgtattgt   840
attgggtttt atttatttac ttttttgttt tttgagacag agtttcgctc ttgttgccca   900
ggccggagtg cagtggtgcg atcttgactc actgcaacct ccgcctccca ggttcaagta   960
attcctctgc ctcagcctct cgagcagctg ggattacagg catgcgccac catgccccac   1020
taattt   1026

<210> 652
<211> 1753
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1754)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (7)...(1753)
<223> similar to gi3822553 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 652

405

```
gggatcgggc cccgcggacg ctacgccgcg acgaatagga gggccgctgc ggtgagcctt      60
gaagcctagg gcgcgggccc gggtggagcc gccgcaggtg cagatcttgg tggtagtagc     120
aaatattcaa acgagaactt tgaaggccga agtggagaag ggttccatgt gaacagcagt     180
tgaacatggg tcagtcggtc ctgagagatg gacgagacgc cgggatccga ggtgccgggt     240
gacaaggccg ccgaggaaca gggagatgac caggatagtg aaaagtcaaa accagcaggc     300
tcagatggtg agcggcgggg ggtaaagaga cagcgggatg agaaggatga acatggccga     360
gcttactatg aattccgaga ggaggcttac cacagccgct caaagtctcc actgcctcct     420
gaagaagagg caaaagatga ggaggaggat caaactcttg tgaacctgga cacgtatacc     480
tcggatctgc attttcaagt gagcaaagac cgctatggag ggcagccact tttctcagag     540
aagttcccca ccctttggtc tggggcaagg agtacttacg gagtgacaaa gggaaaagtc     600
tgctttgagg caaaggtaac ccagaatctc ccaatgaaag aaggctgcac agaggtctct     660
ctccttcgag ttgggtggtc tgttgatttt tcccgtccac agcttggtga agatgaattc     720
tcttacggtt tcgatggacg aggactcaag gcagaaaatg gacaatttga ggaatttggc     780
cagacttttg gggagaatga tgttattggc tgctttgcta attttgagac tgaagaagta     840
gaactttcct tctccaagaa tggagaagac ctaggtgtgg cattctggat cagcaaggat     900
tccctggcag accgggccct tctaccccat gtcctctgca aaaattgtgt tgtagaatta     960
aacttcggtc agaaggagga gcccttcttc ccaccaccag aagagtttgt gttcattcat    1020
gctgtgcctg ttgaggagcg tgtacgcact gcagtccctc ccaagaccat agaggaatgt    1080
gaggtgattc tgatggtggg actacccgga tctggaaaga cccagtgggc actgaaatat    1140
gcaaaagaaa accctgagaa aagatacaat gtcctgggag ctgagactgt gctcaatcaa    1200
atgaggatga agggtctcga ggagccagag atggacccca aaagccgaga ccttttagtt    1260
cagcaagcct cccagtgcct tagtaagctg gtccagattg cttcccggac aaagaggaac    1320
tttattcttg atcagtgtaa tgtgtacaat tctggccaac ggcggaagct attgctgttc    1380
aagaccttct ctcggaaagt ggtggtggtt gtccctaatg aggaagattg gaagaagagg    1440
ctggagttga ggaaggaagt agagggagat gatgtgcctg aatctataat gctggagatg    1500
aaagccaact tctctttgcc tgaaaaatgc gactatatgg atgaggtgac atatggggag    1560
ctggagaagg aggaagctca gcccattgtc actaagtaca aggaggaggc aaggaagctt    1620
ctgccccccct ccgagaagcg gacaaatcgc cgaaacaacc gaaacaagcg taaccggcag    1680
aaccgaagcc ggggccaagg ctatgtgggc gggcagcgcc gaggccacga caacccttt    1740
tanaaaaaaa aaa                                                       1753.
```

```
<400> 653
gtaattccca gctcgaggag agcctctagg ggcccttgga ggggaaaagg ccctaggagg      60
cctggcaaag ggacagctgg agaaggagat gtcagtactg agactgagca acagtaactt     120
gctggaggag ttaggggagt ggggcgggga gcggcagagg ttgcagaggg agctacagtc     180
cctgagccag cggctgcagc gggagtttgt gcccaagcca gaggcgcagg tccagctaca     240
gcagttgcga cagagtgtgg ggctgctgac aaatgaactg gccatggaga aggaggccac     300
agagaagctg cggaagctcc tggcctccca gagcagcggt ctccgagggc tgtgggactg     360
cctgcccgca gacctagtgg gcgagaggag tgcacaaagc aaagcagcgg agtccctgga     420
```

406

```
ggagctgcgg gcctgcatca gcaccctggt ggatcggcac cgggaggccc agcaggtgct    480
ggctcggctg caagaagaaa accagcagtt gcgggggtcc ttgtccccgt gtagggagcc    540
aggcacctcc ttaaaggccc cagcatcccc ccaagtggcc gctctggagc aagacctggg    600
gaagctggag gaagagctgc gggcagttca ggccacgatg agcgggaaga gccaggagat    660
cggaaagctg aagcagctgc tctaccaagc cacagaggaa gtggctgagc taagggcccg    720
ggaggcagcc agcctacggc aacacgagaa aactcggggt tcgctggtgg cccaggctca    780
ggcttggggc caggagctaa aggctctgct ggaaaagtat aatacggcct gccgggaagt    840
gggtcggctg cgggaggcgg tggccgagga gcgccgccgg agcggggacc tggccgctca    900
ggcagccgaa caagagcgcc aggccagcga gatgcggggg cgctccgagc agtttgagaa    960
aacggcagag ctgctgaaag agaagatgga gcatctcatt ggggcttgcc gagacaagga   1020
agccaagatc aaggagttgt tgaagaagct ggagcagctt tcagaagagg ttctagcaat   1080
tcggggagaa aatgctcgcc ttgccctgca gctgcaggat tcccagaaga accatgaaga   1140
gatcatctcc acctacagga atcatctact gaatgctgct cggggttaca tggaacatga   1200
agtgtacaat atcctgctgc aaatccttag catggaagag gagtgaggca gcctcactgt   1260
gtgccctcag ggatacgaga ttctctgttg gaataagaaa ccctggttga cagaggcttc   1320
atcaggctgt ggtgggcggg ggtgttggcc actaggcaat ggtatgggca gggcttcacc   1380
tgacattatg gacctcagac ctgagaacct ggaccctgga atcagcatgg atgagaccag   1440
aggaggtatg gatggaaaca agctctatgg aaaataaagc atgaggcagg aaaaaaaaaa   1500
```

<210> 654
<211> 1729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (58)...(1729)
<223> similar to gi3450883 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 654
```
tctactctag cgtggtggaa ttcctcggcc tcgcggcgac ggcggcggtg gcggcttgga     60
cgactcggag agccgagtga agacatttcc acctggacac ctgaccatgt gcctgccctg    120
agcagcgagg cccaccaggc atctctgttg tgggcagcag ggccaggtcc tggtctgtgg    180
accctcggca gttggcaggc tccctctgca gtggggtctg ggcctcggcc ccaccatgtc    240
gagcctcggc ggtggctccc aggatgccgg cggcagtagc agcagcagca ccaatggcag    300
cggtggcagt ggcagcagtg gcccaaaggc aggagcagca gacaagagtg cagtggtggc    360
tgccgccgca ccagcctcag tggcagatga cacaccaccc cccgagcgtc ggaacaagag    420
cggtatcatc agtgagcccc tcaacaagag cctgcgccgc tcccgcccgc tctcccacta    480
ctcttctttt ggcagcagtg gtggtagtgg cggtggcagc atgatgggcg gagagtctgc    540
tgacaaggcc actgcggctg cagccgctgc ctccctgttg gccaatgggc atgacctggc    600
ggcggccatg gcggtggaca aaagcaaccc tacctcaaag cacaaaagtg gtgctgtggc    660
cagcctgctg agcaaggcag agcgggccac ggagctggca gccgagggac agctgacgct    720
gcagcagttt gcgcagtcca cagagatgct gaagcgcgtg gtgcaggagc atctcccgct    780
gatgagcgag gcgggtgctg gcctgcctga catggaggct gtggcaggtg ccgaagccct    840
caatggccag tccgacttcc cctacctggg cgctttcccc atcaacccag gcctcttcat    900
tatgaccccg gcaggtgtgt cctggccga gagcgcgctg cacatggcgg gcctggctga    960
gtaccccatg cagggagagc tggcctctgc catcagctcc ggcaagaaga agcggaaacg   1020
ctgcggcatg tgcgcgccct gccggcggcg catcaactgc gagcagtgca gcagttgtag   1080
gaatcgaaag actggccatc agatttgcaa attcagaaaa tgtgaggaac tcaaaaagaa   1140
```

407

```
gccttccgct gctctggaga aggtgatgct tccgacggga gccgccttcc ggtggtttca    1200
gtgacggcgg cggaacccaa agctgccctc tccgtgcaat gtcactgctc gtgtggtctc    1260
cagcaaggga ttcgggcgaa gacaaacgga tgcacccgtc tttagaacca aaaatattct    1320
ctcacagatt tcattcctgg ttttatatat atatttttg ttgtcgtttt aacatctcca    1380
cgtccctagc ataaatattc tctcacagat ttcattcctg tttttatata tatatttttt    1440
gttgtcgttt taacatctcc cacgtcccct agcataaaaa gaaaaagaaa aaaatttaaa    1500
ctgctttttc ggaagaacaa caacaaaaaa gagtgcatag tttgccctgg agaatccact    1560
cacgttcata aagagaatgt tgatggcgcc gtgtagaagc cgctctgtat ccatccacgc    1620
gtgcagagct gccagcaggg agctcacaga aggggaggga gcacccaggc cagctgagct    1680
gcacccacag tcccgagact gggatccccc accccaacag tgattttgg                 1729
```

```
<400> 655
cggaccggaa ttcccgaccc gacccacgcg ttcgttagga gcaagtaggg gcaggggca      60
gatggacccg gacagcctca gagtcggccc cacaaccttc ctcactaata ggtcgcctca    120
gtgctctaaa ccgcagctcc cacacagagc ctaaaccagc caaacacagt cacctgcccc    180
tccagactcc ctggtgctga cttggaacct ggatagaggg aaacttttcc tcccctctca    240
taagctgggc tggaggccct gaccattcct ctacccacag tgggtgaggc tggaggaccc    300
ccacgggaag ccatacttct acaatccaga ggactcctct gttcgatggg agctgcccca    360
ggtccctgtc cctgcccctc gaagcatcca taaatccagc caggatggtg acaccccagc    420
ccaggccagc cctccagagg agaaggtccc agcagagctg gatgaggttg ggagctggga    480
ggaagtctct cctgccacag ctgctgtgag gaccaagacc ttggacaagg cagggggtgct    540
ccatcgcacc aagacggcag acaagggaaa gcggctccgg aagaagcact ggagtgcctc    600
ctggactgtg ctggagggtg gcgtcctgac attcttcaag gactcaaaga cctcggctgc    660
aggcggcctg aggcagcctt ccaagttttc caccctgag tacacagtgg agctgagggg    720
ggccactctc tcctgggccc ccaaagacaa atccagtacg aagaatgtgc tggagctacg    780
gagccgacaa ggctctgagt acctgatcca gcacgactcg gaggccatca tcagcacctg    840
gcataaggcc attgctcaag gcatccacga gctgtccgca gagctgcccc cacaggagag    900
cgagagcagc cgagtggact tcgggtcgag cgagcgcttg ggaagctggc cggagaaaga    960
ggaggacgcg cgaccgaatg cag                                            983
```

<220>
<221> misc_feature
<222> (2)...(380)
<223> similar to gi2072972 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 656
tgatctttgg gtcagcaatg aaatcaagat ggaaattaaa gaattatttg aactgaatga   60
taatagtgac agaacttatc aaaacatctg gcatatagca aaagtggttc taagaggaaa   120
gttcatagca ttaaatgcct atatcaaaaa gtctgaaaaa gcacaaatag ccaatctaag   180
gtcacacgtc aagtaactag agaaataaga gcaaaccaaa cccaaaccca gcagagggaa   240
aaaaaattac aaggatcaga gcagaactaa atgaaattgc aatacaaaaa tgtataaaat   300
ataaatgaaa caaaaagcta gttctttcaa aaaaaatgat agactgttag tgagataaac   360
caaaaaaaga agggagaa   378

<210> 657
<211> 842
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(845)
<223> similar to gi5305335 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 657
cccaggccgc agcctgggat tccccaggga cccccccgga gccgccgcgt ctcccatgga   60
cttgcccggg gactccaggt gagagcgtac ccgggcggcc cgcctgtctt gacccccggga   120
gatggggatc ctggcgaccg tgccgggaaa ctacagagcc agcgacaggt tcgggcgacc   180
gtcctctgct tctttcaccc tccagcccgc ctggccagcc gcgtctgtgc cgccagcctc   240
tgactcgagc attatgggga gccaggagcc cgaaacggcc gaggctgcag ctcccggggg   300
cccccttctcc cctggaaaag gcctctcggc gggtcctggc cgtggtgcta gaagatgtca   360
tggctgttca catggtcccc gtggtgccct caaagcagac ctccatacca cagcaccaca   420
gctaccatca ggatcctgtc cacaggcagc cgcctgcctc gccacccggg caggccgggt   480
ggtcctcgca ggccaggcct cccgaccctc tgtgtttgtg tcgcgagccc ttgagccgca   540
tccaccggac ctcttccacc ctgaggcggc gatcaaggac aacccctggc ccagaggagg   600
gcccttcaca aaaggtggac cgggcccccc agcccaccct ggtggtgatg ctggaagaca   660
tcgccagtcc tagacccccc gctgagggct tcattgatga gacccccaac ttcatcatcc   720
cagcacaaag agctgagccc atgaggatag ttcgccagcc aacgcctcca cctggggacc   780
tagaaccccc attccagcca tctgctctgc ctgcagaccc tctggagagc ccaccaacag   840
cc   842

<210> 658
<211> 1623
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1324)...(271)
<223> similar to gi607003 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 658
```
tttttttttt ttaatgaaat aaatgcccat gtttattaca agatagaaac attaaagatt      60
tcttaggcaa aagggcaaca ggtatgaaag tattcacagg gcgccaaatt tacaacagct     120
tgctccaggc gatttacgtg aatcctggcc tgtcccagca tgaggccatt gacaacctgg     180
cgcctctgcc aagcctgtgt ccaggtgcct ggcatgacca ggcgtgatgc ccaccaccac     240
agtccctgct gcatctcaga ggccggggac ctcccacaca aggatctcgt tgcgggcggc     300
cgtgaagagc agcctggcgg acggtgtaaa cctgcacagg tgcactgcgt tgtcgtggcc     360
ggcaaagtct tgggcagtcc ccatggcaca gtctaccagc ctcagcatgc actcagcaaa     420
gccaacagcc aggaggtggg tcccggggga caggctcagg gacatggcaa aaaagggcag     480
tggtatcttc tccaccacct gcttctggca gaggttgtag atgatcacct ccttgtaaac     540
accggggccc acgtacatca ggagcgcccc atcccaaggg cagaaggcag cgagggaggg     600
tggcaggtgg ccctgagtct ccgtggtggc aggcattggg aaactcaacc agtccacaag     660
ctcacagtgg ttccgcagcc agtcggaggc ccagacgctg acccgctggt ccccactggc     720
agccagccat aggtctgtgc cctccacccc taagtcttca cactctttgc acgtgacaca     780
gatggtagag attggggcgc cctggtggtc actcagcaca cggaaggttg tccctgtgca     840
ggggtggctc acagccacga gcccatcctt gtctccagag aggacagtct gaccatcggt     900
ggagaaggca acagtggtca gcgccaccgg gtggggggtgc atcttgagct ccatggccgt     960
gcgggagacg ctgaagatgc gcagggagcc gtcaccgtag ccagccgcta gccgctgctg    1020
ctcagggtgg ccacagcacg ggggggctcca tgccaggcag aggcagctct ggttcagcac    1080
ctggaactgg atcacaagct ccatgctggc caaggcccac acccgcacac tcccatcctc    1140
actgcatgtg gcgcagtggg actccccggg gctgaagacc acctcgttca ccttgctcct    1200
gtggccactg atgagacgtg tgctggtgcc ctcggcccag ctgacaaacc acagcgtgcc    1260
cgccgtggtg cccacgacgc ccatgtccac gctgtcatcg aagctggcac tcaccacagc    1320
cccgtccagc accagctcgt gttccatgaa cacagaactg gacctcaggg tgcagggaag    1380
gagagaacaa tgggtctcaa ggccgatgac aagagccagc tgggtcccca gccgaggcag    1440
ggccctcagc attgcatctc aggacctggc tgtgccctcc cggtggaaga agagaaagcc    1500
catggagctg gggcttctgg gcccatgccc gtactcgaca gcagccagtg aggcccaggc    1560
cacacccaag cctgtccctt ggaggggcta gcaggcggcc ggtctgcagg gcggccttgc    1620
ggg                                                                  1623
```


<210> 659
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1236)...(180)
<223> similar to gi2906006 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 659
ttttttttttt ttgagtaatg ccgactttat atcagcacac ccagtgcccc cacgttcccg   60
ctggcccagg tcccggagac catgatggca cccacagtgg acttcgcaaa ggagcgtggg   120
gaccccgaag gccaggccac ccctcagatg ggggtcccat gctaaagcag acggtgccgg   180
tgccgcaggc tgtctgagac ccacggtgga gcccgggcct ggcgtgcggg aggcggccac   240
gacggcgcct ttctcccagg aactccggga gggaccccag gactcagcgc cagggcagcc   300
ttggcaggtg cagtgaggca gtgacttgtg ggggttagat gtgggcctgc cccacgtggg   360
cagggatcag ccaggcatgg gggtccagcg gatccgagcg gggccacaga gctctggagg   420
acttttctgc acaatgaatt tctgcttaaa aacagagatc aagaggaagc tctatcctgc   480
agctccggaa atgggtggct gcgtgcttgg ggtctccgcc acgcgggagg acagcccaga   540
ggcaccctgg tctcaggcag ctggttccta ggctgtgtcc tccccactgg ccgggcaccg   600
gctggaacgg cacgaggacc agcctcactg ttctcagagg ggtctcgggc cactgggtgt   660
ggtggtgctg gaggagtcct gcccgctgtg ggctctggag ggcacggcag cagagcccct   720
ggcttttcta ggcagagcgg cacctgcccc atagatcgtg ccagctttgg ctgcaggcgc   780
tggggcctca ccgtgtttcc tggggggggcc cggaccccca agggcctcga tctgaagctc   840
tgaggtctca tggatgcctg ctcctggtcc gataaacgag atggctgtgg tggggaggag   900
cctcaggcgg cccgggaccc tttggcgtcc gtcgctggga ggcggaggga cccagagccg   960
aggctgtgct caggactgtc ccgggcgccg ggcgatgcca acactttgtg ctggttcccg 1020
ccaaggggtc ggcctccggg tccctgccgc caagtgcgtg gcgtggtctc ggcctccagg 1080
tcagacattg ctgatacggg cctcccccgg gaaggcagcg ggatccgtgg ccctgtccag 1140
gggccgctcc cgcctgacgt agcgcggctt ccgtacgggc tgactcttgg gtccgcctga 1200
cccagcacca ctgaagcgat ggctgctcag gagggcctgg cggaggccgg ctgcgtctgt 1260
cctcggg   1267

<210> 660
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(501)
<223> similar to gi4218005 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 660
aataaaggag aaaagaaagg aagaagaaaa gtgggaggtg aaagaagaaa agaggaagaa   60
gaaagaagga gaatagaaga agaggaagaa gaaagaaaag aaagaagagg aaagaaggaa   120
gaagaatgga aagaaaggaa gaagattgaa cgaggaagaa agaagaaaaa agaaacattc   180
ttagaagagg aagaaagaaa agaaaaaaga aaaagagaag aaagagggaa gaaagaaaag   240
aggaagaaga aagatgaacg aagaagaaag aggaagaaga aaaaagagga aagaagaaaa   300
gaataaggaa gaagaaaaaa aaggaagaag aaagcagaag aaaagaaaga aaagagggaa   360
gaggaagaag aacgaagaaa agaggaaaga aggaggagga gaagaacaag gagaagaaga   420
aagaagaagg gagaaggaga agaaaagaag gagaagagga aaaggaagaa ggagaaagaa   480
aaggagaagg aagagaaaaa   500

411

<210> 661
<211> 1590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1591)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (148)...(1590)
<223> similar to gi557822 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 661
```
taaatctctt ctagtgttag caaagtattt agcacaggaa agatcttata aaatgaaata    60
atgcatgtaa tgatgcattt tccaagtaga tgattttaac aaactgtaag cttttatgcc   120
tggccttcat tgtgtctttt ctgcctctgt caggcgaact gtgatgaaga gccttatact   180
taggaagaca caactacctt tgaacagtcc tttgtgaaat ctaatgatcg caacgaacga   240
aataaaccag aacatcgttc ttcaagccaa ggacccttgt catccattag agcggtaatc   300
aagagatctt ctcggacttc tattcagagt gaacttcatc gagatagaag gcgcccagag   360
atcaccattg tggcagctga gccactgagg ccagcctcgt ggtttccagg aaccccaccc   420
ccaggactgg gatttcctac atcatctgca gcaggctctt ggaggcctaa tgagctggtt   480
cctgctgagc tcccaccatc ttatgaacaa gttataaaag aaatcaacca agttcaagtt   540
aatactacaa ataataataa tgctgctgct actccaaggc acactattac ttctgcaact   600
cagactgact tttcagaaga aatagacaac gatctgcctc aaacactaca ggcacctctc   660
aagcctcttc agcctttctc agcagtctcg tctggcaatc ttccaacaaa tgtggcacct   720
ttaatcgtct ttgatatttc tgaagaaccg aattgtccag aaaacccag tgctacaaga   780
tgtccagtgc caaaaccaag atcaaaaagc aacctcagac caatacccag agattctcac   840
attaaagagc aaagtcaaca gaaaatcagc ccagcagccg tacgagagga gtcatcccca   900
ggccggcccc agtctctgct ggacaacgct agcacctcag acagtcaggc agtgatgaac   960
attatgaaca cagaacaaag ccaaaatagt attggttcca gaattaaagt gtttgagggt  1020
cagacaaaca tagaaacctc aggactgccc aagaaaccag aaattactcc acgttcactt  1080
cctccaaagc ctactgtttc ctcagggaaa ccttctgtag ctcccaaacc agctgctaac  1140
agagcttctg gagagtggga ctctgggact gagaacagac tcaaggtgac ctccaaggaa  1200
ggactcaccc cataccctcc cctgcaagaa gcgggaagca tcccagtaac caaacctgaa  1260
ttgccaaaga aaccaaaccc tggccttata cgaagtgtta atcctgagat tccgggaaga  1320
gggcccctgg ctgagagctc tgatagtggg aagaaagtgc caactcctgc cccgcggcct  1380
ttgctgctga agaaatctgt ttcctcagaa aaccccacct tacccttcag ctccacctga  1440
aacctgtcac tgttcctccc cgactcgcag gggcaatcac aagccaaagc atacaagtca  1500
ctgggagaan ggggcccccca gccaacccc cagttccagt taatatagtt attgcacaag  1560
ttcaataaaa atctgctctt tgtatgacaa                                   1590
```

```
<210> 662
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(661)
<223> similar to gi3980032 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




     <400> 662
aacatttgca gtataaggta ttgcaggaaa gagagaatta tcaacagtct tctcaatcaa      60
gcaaagcaaa atcagcagta ccttcctttg gtataaatga taaatttaca ctaaataaag     120
atgatgccag ttacagcctt atcttagagg tacagactgc aatagataat gtcttaatac     180
agagtgatgt tccaatagat ttacttgatg tggataaaaa ttctgctgtt gttagcttta     240
gcagctgtga ttctgagtca aacgacaact tccttcttgc cacttatcgg tgccaggcag     300
atactacaag gctggaactc aagattcgct caattgaagg ccagtatggc acactacaag     360
catatgtgac tccaagaatt caacccaaaa cctgtcaggt ccgccagtac cacatcaaac     420
ctctttcact ccatcaaaga actcacttta ttgatcatga cagacccatg aatacactga     480
ccctaacagg ccagttcagt tttgctgaag ttcactcctg ggtggttttt tgtctgcctg     540
aagttccaga aaaacctcca gcaggagaat tgtgtgacat tttactttca gaacaccttt     600
ctagattaca caacttgaaa gtacctacag aaaaggagag ggagttttta aatctgaca      659




<210> 663
<211> 1071
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(894)
<223> similar to gi1835264 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




     <400> 663
gggatacggg gggcagtggc cttgggcaca aacagcctga agcagcagga acctggactt      60
atggggggatc ccggggcccg agtctactcc tctcactcca tggggggcccg ggtggacctg     120
gagcctgtct caccaaggag ctgcctcacc aaagtggagc tggccaagag ccggctggca     180
ggggccctgt gcccccaggt accccgtacg cctgccaaag tgccaacctc agccccaagc     240
ctgggcaagc ccaataagag ccctcacagc agccccacca agctcccttc caagtcacca     300
accaaggtgg tgcctcgacc tggggctccg ctagtcacca aggagtcccc caagcctgac     360
aaagggaagg gccctccctg ggcagactgt ggtagtacca cggcccagtc cacacccta     420
gtacctggcc ccactgaccc aagtcagggc cctgaggggc tggccccaca ctcagccatc     480
gaggagaagg tgatgaaggg cattgaggag aacgtgctgc ggctccaggg ccaggagcga     540
gcccctggcg ccgaggtcaa gcaccgcaac accagcagca tcgccagctg gttcggcctt     600
aagaagagca agctgccagc gctgaaccgc cgcacagagg ccaccaagaa caaggagggg     660
```

413

```
gctggcgggg gctccccgct ccggagggaa gtcaagatgg aagcccggaa gctggaggcc      720
gagagcctca acatctccaa gctgatggcc aaggcggaag acctgcgtcg ggcactggaa      780
gaggagaagg cctacctaag cagccgggcc cggccacggc ctggtggccc agccccaggg      840
cccaacacgg ggctggggca ggtgcagggc cagctggctg gcatgtacca aggtgcagac      900
accttcatgc agcagctgct aaacagggtg gatggcaagg agctgccatc caagagctgg      960
cgggagccca agcctgagta cggggatttc cagccggtgt cttctgaccc caagagcccc     1020
tggccagcct gtgggccccg gaatggcctg gtgggccctc ttcatggctg c               1071
```

<210> 664
<211> 759
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(759)
<223> similar to gi2072951 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 664
```
ccacgcgtcc gagatgaggt agttggcaac acaataatag tgggggatgt taatactccg       60
ctggcagcac taggcagatc accaagacag aaagtcaaca aagaaacaat ggacttaaac      120
tataccctag aacaaatgga cttaacagat acttacagaa cattctaccc aacaagcata      180
gaatatacat tgtatacatc agaacacggg acattctcca aaatagacca tatgataggg      240
cacaaaacaa gtctcagtaa atttaagaaa atcagaatta tatcaagtac tctctcagac      300
cacagtggaa taaaattgga aattaattcc aaaaggaaca ctcaaaagca tgcaaataca      360
tggtaattaa ataacctact cctgaatgat tgttgggtca acaatgatat caagagggaa      420
atttaaaaat tctttgaact gaacgataat agtgacacaa cctatcaaaa actctgggat      480
acagcaaaag tggagctaag aagaaaattc atagcattaa atgcctatat caaaaagtct      540
gaaagagcac aaataaacaa tctaaggtca cacctcacag aattggagaa actagaacag      600
tccaaatcca aacccagcag aagaaaagaa ataacaaaat cagaacaaaa ctaaatgaaa      660
ttgaaacaaa aaaatacaac agataaatga aacaaaaagc tggttctttg aaaagataaa      720
taaaattgat aagcattagc aagattaatc aaaaaaaaa                             759
```

<210> 665
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = a,t,c or g

<220>
<221> misc_feature

414
```

<222> (430)...(0)
<223> similar to gi2072972 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 665
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc agactttttg   180
atgtaagcat ttaatgccat gaactttcct cttagcactg ctcttgctgt atcccagagg   240
ttttgatagg ttgtgtcact attatcgttc agtcaaagaa cttttaagtt tccatcttga   300
tttcgttgtt gacccaacga ttattcagga acaggttatt taatttccat gtatttgcat   360
ggtttcgagg gtttcttttg gagttgattt ccaattttat tccactgtga tctgagagag   420
tgcttgatan   430

<210> 666
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (127)...(463)
<223> similar to gi2065209 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 666
ccaccaattt ccttcctttt ttttttnata ggagtggagg tntaataggc agaagaaaga   60
gaaaggaaaa tggcatccnc aatagtggca acatcctctc cccgacccat gctgccatca   120
gcctttccac ctttgtctga ggagataaac cctgtgctgc ctgaggcaac agtgatggcc   180
tcccctgagg cagttgccag gcaagataat atcgattctc ctctagcacc ctcaacacct   240
ttgtttgctt ctagacctat aactaaagtc ccgatgggcc cacagaagtg aggttcagag   300
tgtgacccat ggggaggtga gctacacttg aattgagttt tctaatttat ataagcagaa   360
atttggagaa caggcacggg aatggatatt aagggtgtgg gataatgctg gaaggaacat   420
acagatgcat caggctgaat ttattgattt gggctcacta a   461

<210> 667
<211> 401
<212> DNA

<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(331)
<223> similar to gi804810 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 667
agatgaacac atataatcaa tttctctcta ctaacaatga acatatggaa atctaaatta   60
aaaacataat accacttatt ccatagaaaa ttaaatagtt tggtataaat tgaacaaaat   120
atgtatagga cttttgtgct gaaaattaca aaatgctgat gaaagaaata atagaaataa   180
atgaagacac atggtctctt gatagattgg aaaactcaac ttagtaagta tgccagttct   240
ctccaaattg atctgtaggt ttaatggcat tcctgtcaag attccagtaa ggttttctc   300
agctttaaat aaacttattc caaaatttgc ataaacagtc aaagtcataa acagttgaaa   360
caatttggga aaattttct cataagtttt gagaaaaaga g   401

<210> 668
<211> 1148
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (338)...(1116)
<223> similar to gi1947160 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 668
tccagtctca gggccctgcc ctcttccctt ttattccacc aatctcttgg gtggggagtg   60
gcgtggggaa tcagaagcac caggaagcct gggaaaggag aagccactgc agctgcccca   120
gacaccccac cccataaagg tttaaagaat gggccctcac cccatctggc aatcagcgga   180
ggggggtgggg cacaaaggcg agcagacact ggtcaagctt ccacttcatg taaacaagga   240
ggccgtggca ctgacccctg cccagccacc gacagtccgg tggaggcgtg tgactgagat   300
gcttcggacc ctctcatttg ggatccagcg tccctgaggc caggacggag gctgcagggc   360
agaaggccag ttggcgtctg atgtgcaaac tggtgcagtg tgcgacctgc gctctccaca   420
gcacagggca gggcaggcag gcatccacac gtcctgccca ccaccatccc gcagctcagg   480
aaatcacaca gttgctaggc ttggcagaac tgggacttgt tttacctgag atgtcagcac   540
tggaattctc gttgggcctc ttccccgtca gaaactccac ttcaaaggtc tcggggggaaa   600
cagagctggc catgccattg ggcgccgcag gccttttggc tcggcgactg aagagcctgc   660
tgctgaagcg cccggcgggg gcggcctccc cccgggccgc ttctcccatg ccatttcggc   720
tgggtgcctc tcgggatttg ggcttcaggt ctctgtgcat gtgagagacc atcctgccat   780
ccttctggct cagctctccc aaggggatgg gctccacggg gggcagcacc tgctccaccg   840
taaccaggtc tttcaggaag ctctccaggc gccaggccga ctcgccaccg ctggcgccct   900
cctcctgccc ctccgggttg ccgcccgcct cccgctgttg ccgggcagcc cagcgcatca   960
tctccccagg cgggtggcgg cagcctgaca ccaaggcgta cttgggggttg ataagctttc   1020
gagccacagt ggaggagtaa tggaggccaa ccctgcccgc caggctcagc tgccggtaca   1080

416

```
agtccacctc ctcggagatg gcgtacagct cccggaactc cgtgtcaaag ggctctacgt    1140
tctgtcct                                                             1148
```

```
        <210> 669
        <211> 719
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (9)...(719)
        <223> similar to gi200543 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 669
cctgctggcc tcggccaaaa ggagggtgga ggcagcttcc tcctgggtgc cttccttgac     60
tgggagcagc tcgataaagg gggccccagg gggcagaagg tagacgccat ggggctgctc    120
tggctgtagg tttaggccca gcacccctcc cgaggcagca taagcaggag agaagaaggc    180
tagtccttgg caccacaagg ccccgagggc agccacagcc tcggcctggc ctcctgcatc    240
cagagtcacc accacctgca gctttggcca gagccgaagg gccagtcccc gtggcccctg    300
ctatagggcc tcccggagct cagctgcccg ttcacggaga ggtgctccag ggttcccggc    360
agctatcgcc ccagctagct cttcaccatc agtctccagg cccaagaaaa catccagaag    420
ttcgacagcc gtcccagcct ccagtgccct cagccctggg gacctcagtg cgtccagcag    480
cagggcccta gggtccttgg ttccaggggt gcccacctgg cccagggtat tcccaggcca    540
aggcagggt cggggccaag gggatgtaag cgtcacacgg gcagtgcgtc cctgagccag     600
cacttctggg taggccttgt ttagggctgc cagacccagc aaggtggcct ggaggaggaa    660
agagagaatg ttggtctggt gtcagagcca gacccagagc ccccatttgg gggttcttt    719
```

```
        <210> 670
        <211> 487
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (2)...(489)
        <223> similar to gi56589 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 670
aattaatgaa ctaaaagaag aaaacttaca tgatgctctc tatcaatgca gaagatgcaa     60
aatttagcac acatttatga ttttaaaaat ctcaggaaaa atagacatag aggggattt    120
tcctgaactt gataaagggt aaacaccata agccttcagc taacatactt aagggtgaga    180
```

```
ctgaatgctt tgtccctaag atggggaaca aaccaaggat attagttctc accgcttatc      240
caacatatgg ctgtaatttc tagccagtgc aataaggtaa gaaatggaag taaaagtcat      300
atagattgga aaagaaggaa taagactcca tatttgcaga ttacatgatt gtgtacatag      360
aagatcccaa ggcatgcaca aataaactcc tacaactaat aggtaagctt agcagggtta      420
caagatacaa gatgacacac aaaaatcaat tgcatttctg tatactaaca atgaacatat      480
ggataaa                                                                487
```

```
<210> 671
<211> 1094
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (765)...(1093)
<223> similar to gi1780975 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 671
ccggtttgct gttaataaat atgtgggtaa atatctgttt ggggctctca gctctgaaga       60
ctgtgagacc cccaatttcc cacttcacac ctctatattt ctgtgtgtgt gtctttaatt      120
cctctagcac cactgggtta gagtctctct gactgacctg gtcttggcaa gtggtgtcca      180
tttgtggggg ctcatatcca ggtcgaaggg tcaccagagc aatggttgga atgggaaact      240
agctggagga cacccgagta ctcttaaagc aatccctgtc gtgcgtaaga aggggagctc      300
ggaagtgtca gggtaacaat gggacaggta tggggtctgg ttcatttcac cttggaactt      360
tttcacactg gtaatgagga ggaacaagag tatagcgaag taacagaaga ggttacagag      420
catgtttatt ttgccagcta aagctaaaag cagcaaagga aggaagagat tcatccctac      480
ccttcttgca cccccctccct tattaatttt gatgaagatg accccccaaa atctttcctt      540
tcctggagga cactgggcaa aaagtaattg ccccagttga ctgtttcgag cagcgcctca      600
tgtgacagct cttagttcta ttcaggcagg aattcgagca agctagacaa gagggtgatt      660
tagaggcttg gcagttccct gttagaatac accccccaga tcaacaggga aatattatag      720
ctacatttga gccttttcct tgtaaattac tcaaagaatt taaacaagct attcatacta      780
aaaaagaatg tagaaataat cagcaagtca gctgccagat aggggaaaaa agaaaactgc      840
tgagtctgaa atatgtccaa catgtaaaaa aggaaaacac tgggctaatc agtgtcactc      900
taagtttgat aaagaaggga acctgatttc aggaaatgcc atgaggggcc tgtcctgggc      960
cccattccaa actgggcat ttccagctca ggccattccc tcacacccgt acaatgtctg     1020
tcccccgcca cagccggtag tgccgcagta gatttatgct gcacaaaagc tgaggaattc     1080
ctgcgcactg cgct                                                       1094
```

```
<210> 672
<211> 585
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

418

<222> (1)...(541)
<223> similar to gi56520 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 672
acaacatatc aaaaacttgg ggacacagcc aaagcagtgc tgagaggaaa attataacaa   60
tgcatgtgta aatagaaaa gagtaagtct cagattaata acgtaagcac ccacctcaac   120
aacctatgaa tagaaaagca aacctaaagt aaacaagagg aaggaaataa ataagagcag   180
aagttattga aattcaaaac agcaaaacaa aagataaaat cagttaaaca ggaaataaac   240
aaaattgaca aatctgtacc aggactgacc aaaaaaaaag agagaggaga cataaattgc   300
cagtgtcagg aatgaatcag atgactcact gtggaccctg aagatatcaa aaggataata   360
agggaataat atgcacatgc attggacatc ttaaaagaaa tggacaaact tcttgaaaaa   420
cacaaactat cacaaattat ccaatataaa atatatcatt tgaataatct taaaattact   480
aaggaaattg ggttcataat tttaaaactt gcaaaaaga aataggtaga cccaagtggt   540
aagaattata ccacacattt aaaatacagt taactggtag agtgc   585

<210> 673
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(394)
<223> similar to gi1174092 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 673
ctggaatttg aaatcacaaa caagaccatt tacatcaaca tcaaaaaaac acgaaatatt   60
ttggtattaa taaaatatgt gcaagatccc taagaacaag actaaaaatc tgatgaaaga   120
aatatatcta aataaatgga gagatagtcc atgtgcacaa ataggtagat tcaatatttt   180
caagatgtca gttcttccca acttgatctg gagattcagt gcaaccctat cattgcaatc   240
aaaatcccag caagttattt gtgaatatta acaaactgat tctaaacttt atatggaaag   300
ggggaaaaaa agaatagcta actcaatatt aaaggagaag aacaaagtca gagaaccgat   360
gctactcaac ttcaacaatc agcaaaagaa aaga   394

<210> 674
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

419

<222> (22)...(388)
<223> similar to gi2072972 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 674
tgagctagat gccattaaca aagtcttcca gcaaagaaaa gcccaggcct tgatagcttc   60
actactgaat tttaccaaac atttaagaag aactgtttca aaaaatagag aataattcca   120
gactcaatct atgaaaccaa tattcctctg ataccaaaac caaagaaagt gacagggcag   180
tatctctgat gaccactgat acaaaaatca tcaagaaaat actagcagag ttcagcaaca   240
cattaaaaac atcattcatc atgaccaagt gagatcccag ggatgtgcaa ggatggttca   300
gcatacacaa atcaattaat gtgatacatc atatcaacag aatgaaggac aaaacccatg   360
tgataatctc aattgatgcc aaatggctgg gtgttgtggc tcccacctgt aatcccagca   420
ctttgggagg ccaaggtaga tggatcgctt gaggccaaga atttgagacc agcctgggca   480
acatggcaaa acctcatctc taggaaaaaa aaaa   514

<210> 675
<211> 495
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (167)...(489)
<223> similar to gi3599344 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 675
agttgtcttt ctggtaccac cccccatccc gagggctatc taggggccca cttcaagtca   60
cttcattagc ataagaggac actcttctca ctcaggaaat cccaagagtt tttgaacctc   120
tgtgccagga accacagaca aaagatcaga tgtaatcttt attatgccaa ccaaagacag   180
ggagataatc ttgaaagcta caagagaaaa atgaccaata gcttataaag gaagccccaa   240
taagattaac agctgactct cagtaaaaac aatgaatgcc ggaaggcagt ggaataacac   300
aatcagagca ctcaatgaag aaaaaaaaat tctcaaccaa aaatcctata tccagcaaag   360
accatctttc aaaaatgaag gtaaaataca gactttccta gatgaataaa tctgaacttc   420
ttgttagcaa acccacctta tgagaaacac taaaggaact tcttcagctg aaaacgagga   480
actccataca gcaac   495

<210> 676
<211> 509
<212> DNA
<213> Homo sapiens

<220>

420

<221> misc_feature
<222> (3)...(468)
<223> similar to gi1698455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 676
aaattttaaa caagtggtat caagatcctg aagcatttct ctgaagagtt gtaacaggag   60
atggaacatg gctttaccag taggatcctg gagacaaagc aatggctcct aaaaggggga   120
agtggcccag tcacagcaga agtgatcagg agcagaagtc acagcaacag ttttttgaga   180
tgctgaagac attttacttg ttggctttct agagggccaa agagcaataa catctgctta   240
tgatgagagt gtcttgagaa agccaaaact ttagcaaaaa aatgcccaga aagcttcacc   300
agagggtcct tctccaccac cacaaggctg ctgctcattc ctcatcaatc aagggcaatt   360
ttgcaagagt ttcaatggga aatctgtagg cattcacttt acagtcctga tttggctctt   420
tctgacttct tttgttttc taatcttaaa aatctttagg tcggtcatgg tggctcatgc   480
ctgtaatctc agcactttga gaggccgag   509

        <210> 677
        <211> 472
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (6)...(454)
        <223> similar to gi3746840 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 677
cgcctgaaga caggcaagaa gttaggggag ttctgatcaa ggcgaccaaa tccagattct   60
gatgaagggg aagattagga gggagagagg aggaaaagta gtaggtgga gctgccattg   120
cccttcccac ttctttggta gagaaagacc aagagtcacc ccgagatttt ccttatgaag   180
aggattcaag acctcagtca tggtcttcca aagcagccat tcctcccca gtgaaggagg   240
aacaggacag actgagatct ccaagccgtc ctagcagctc cttcctcact aacgtggtgg   300
gaacggtggt gcacaacatc atgcagaagc gcggcttccg ggaaggctgg ggcctcgggg   360
agcacctgca ggggcttcga gacgcctttc cggtggggaa gactagcaaa tcaggcggca   420
agatcatcgt ggccgacgcc gcacagaaag atgcattgaa aggtcaggtc ca   472

        <210> 678
        <211> 678
        <212> DNA
        <213> Homo sapiens

        <220>

421

<221> misc_feature
<222> (349)...(666)
<223> similar to gi4185942 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

    <400> 678
attacagagc aggtttgttt gccaactaaa gctaaagcgg caaaggaggg agaggttcat   60
ccctacccctt ttgcaccccc tccttatttt gaagaaaaag agtggcctga ccctccagat   120
ctttctttc cagaggacag tgggcgaaaa gtagttgctc cagtgactgt ccgagcagca   180
ccttgagcga cccctctcag ttctattcag gcaggaattc agcaagctag ttgagagggt   240
gatttagagg cttggcagtt ccctgttaga atacacccccc cagatcaaca gggaaatatt   300
atagctacat ttgagccttt tccctttaaa ttactcaaag aatttaaaca agctattcat   360
actaaaaaag aatgtagaaa taatcagcaa gtcagctgcc agatagggga aaaaagaaaa   420
ctgctgagtc tgaaatatgt ccaacatgta aaaaaggaaa acactgggct aatcagtgtc   480
actctaagtt tgataaagaa gggaacctga tttcaggaaa tgccatgagg ggcctgtcct   540
gggcccccatt ccaaactggg gcatttccag ctcaggccat tccctcacac ccgtacaatg   600
tctgtcccccc gccacagccg gtagtgccgc agtagattta tgctgcacaa aagctgagga   660
attcctgcgc actgcgct   678

    <210> 679
    <211> 451
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1)...(452)
    <223> n = a,t,c or g

    <220>
    <221> misc_feature
    <222> (451)...(24)
    <223> similar to gi296382 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters

    <400> 679
ctggctacta cccctgcacc tgttcccctg ctgtccccag gcctctctgc ctgaatctgc   60
ctctctctgc ctctttctc ctgtccctcc aggagtctct ctgcctcaac cactctctct   120
gccccttcat ctctctgagc tggtgtgtct ggtcctaccc tctgtttggg gagctgtctg   180
gctctgtccc ccacctcttg gccagcctgt gtctcctgtc tatgactgag cccaattgcc   240
tgttgccttt ctgcaggtgt ttccacgagc ctatccctac ccacctgttt gtttctgagt   300
ctgcctgtgt gtccctttct ccctgtctct gcctgtcttc caagctcccc tagcatcccc   360
tcctcccgcc catctgtctt tctgtccctt ctgtgggnct gtctgttcct ggtggctgtt   420
tctcaanggc tggtttcttt gtaaanttaa g   451

422

<210> 680
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(520)
<223> similar to gi38032 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 680
gaaaccccac aaatgtgaaa aatttggtaa attctttaac aagtcttcaa ccctttctgc   60
acataatata attcatactg gagagaaacc ccacaaatat gaagaatgtg gtaatgcttt   120
taaccaattc tcaaatctta ctaaacaaaa ttaatactga aaatgttaca aaccagaaaa   180
atgtgaaaat gaatttaaca aaaccttcaa atttttctaa acataaagga aatcatactg   240
gtaagaaatt ataaaaatgt gaagaatgtg acaaagcctt taaatggttg tcacacttga   300
ttgtaggtaa gataattcat actggcagaa actcccagaa gtgtgaagaa tatggcaaaa   360
ctttaattcc tataccttat tgcacaggaa agcatttata cttcagaaaa tgttgtactg   420
atataaagaa tgtagaaaag ccattaatat gtgcttacat cttattcaac attagagagt   480
tagtacttaa taaaagcatt ataaatgcaa ttactgtcaa aactcagtat aaggttttgt   540
tttagtgtgt gtttttgttt gtttgtttgt tttgtttgtt tttttttaaa tgagactacg   600
taatactctc tcccaggctg gagtgcactg gtgcaatctt ggtttactgt aacctctgcc   660
ttccaggttc aagcaattct cctgcctggg cctccagaat agctgggact acaggcatgt   720
gccatcacgc tcggctaagt tttgtatttt ttagtaaaga cagggtttta ctgtgttggc   780
caggctcatc tcgaactcct gacttgaaat gatccataca cctctgcctc   830

<210> 681
<211> 369
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(361)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 681
gttgcagcct cagctataaa tgcattttgg atactcctcc aacctattta ccaat.aggga   60
aggtttccat ctctgagtgg gccccagaac aggaaaaggc tctttagaaa ttccagactg   120
caacataatt atagtattcc acaactctag gcatcatgtg aagccacagg ttaaactcca   180
atagtagaat tgtagtgcag acccttaggg ttcttaaagt tatctgaaat agagaactat   240
aaatgtttgt aaaaccagtt tatggcatgc tattaggcac ctgtagagtt acagagtctg   300
accacatgac gtcaagtaac tatgaggcaa gaactgccca tcatgagctg ggttgcatcc   360

423

<210> 682
<211> 1310
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (260)...(1311)
<223> similar to gi4966262 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 682
```
cagctactca ggaggctgag gcttgaacct gggagaggga ggttgcagtg agccaggatc    60
atgccacttg cattctagcc tggatgacag tgagactgtg tctcaaaaaa aaaatcctgg   120
gatttaatat tcatttttgg ctattcttac tttcttactc aagattttga ggcctcaaat   180
aattgttata gttgttcaaa actgtattaa tctaaaggac attttatcaa gaaaattta   240
attcctttct ctgttcagga aacgattata tatggaagta tttgaatata ctcgccctat   300
gatgcatcct gaacctggaa aattctacca gattaatcca gaagagtatg ggcatccaaa   360
tacctggaaa gagagtttcc agcagttgta taaaggtgca catgtaaagc caggatttgc   420
tgaacatttc tacagtaacc ctgcaagata taaaggaaga gaaaatatgt tgtattatga   480
tactattgaa gatgcccttg gtggggtaca agaggctcat tttgatggac ttatctttgt   540
tcattctgga atatatactg atgaatggat atatattgaa tctccaatca ccatgattgg   600
tgcagcacct gggaaagtgg cagacaaagt tataattgaa aacactagag attcaacctt   660
cgtttttatg gaaggctctg aagatgctta tgttggatat atgacaataa ggtttaaccc   720
tgatgacaaa tctgcacaac accacaatgc acaccactgc ttagagatta cagtaaattg   780
tagccctatt attgatcact gtatcatccg aagtacatgt acagttggtt ctgcagtatg   840
tgttagtggt caaggagcat gtcccaccat caagcactgt aacatcagtg actgtgaaaa   900
atgttgggac tatatataac agatcatgca cacgggaact atactgacgg ataactgaaa   960
tttccaataa tgccgttagc tgggatttgg gttaaaaatc atggaaaccc aattattaga  1020
cggaatcata ttcatcatgg acgtgatgtt ggtgtgttca catttgatca tggcatgggt  1080
tactttgaaa gttgcaatat acacagaaat aggatagcag gctttgaagt aaaagcctat  1140
gctaacccta cagtggttcg atgtgaaatt caccatgggc agactggagg aatatatgtc  1200
catgaaaaag gaagaggaca attcatagag aataaaatct atgcaaacaa ctttgcaggt  1260
gtatggatta cctcaaatag tgacccaaca ataaggggaa attctatatt             1310
```


<210> 683
<211> 968
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(705)
<223> similar to gi5732634 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 683
```
cgggggatga gtaggcaccg cgggtaccac cccccccgcca cccaagctga acctgtgcct    60
cccctcaccc ccgacagcgg ctccgtcctg tccaatccag gagctggggg ccctgccact   120
ccctccctcc tgtcccacac ccaacagctc ggccagtcct gtgggccctg cttccagcat   180
ccatgccaaa tccaccatgt ctccccttcc ctgtcttctc atggtccagc cccagcatgg   240
cccgcctgca cccgcccccgg tcccaggctg caacttctcc cccagcagct gtcctcccgg   300
cagcaaccac cagagggcgt ctgtgagcgc ctgggtcagg gcctgtccct cttctgccca   360
cagctctctg tgagtcccac tgtcctcagg gtcaaatccc ctaagtcctc cccatggccc   420
accaggccct gcacgacctg ccctcccctc ctccctctac tccagccaca caggcctcct   480
ccctgttctt ccaacacaac atgccaggtg tggtcctgcc ccagggcttt ggcactactt   540
gtccctcccc attggcctgg aatgctctga catcctgcag gtgtcagggc cacgtcacct   600
cctccaagaa gccctccctg gcttcctgcc ctggctgtcc aggtttctct gagcgttcac   660
ctttacacac cacccacacc ggtaccaacc acatgttcac ctctgtgact attaacacgg   720
ctggctctgc cccaggccca gaccggctgt ggtttccagg ccctgggcct ctacaggcgt   780
gaatgctgtg atgctgtggt ctagaaccat ccatgtctga accctgagtt ctgtgggtct   840
gggttacacg gactcggggc tcccttccag ctgggcccac ccccgatata tttctgtacg   900
gtgtcttcag cactgcacac atggacccaa cgtttgttga gtgaataaac tacatgcaca   960
gaggaaga                                                            968
```


<210> 684
<211> 510
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(248)
<223> similar to gi9999 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 684
```
aatccttata ccatcaccaa ttgcaccacc actgtccaca cccaccatca ccttcactgc    60
catcactcca tcaccaccag caccaccaat accatcacta accccacagc caccatctct   120
gcaaaacatc tccaccacct tcaccaccat cgtcaccatc ggtaacagca ccatcattat   180
caacagcacc cacaccgtca cctccatcac ccaccacctc cacctgcatg tagcacgcac   240
ccacctcatg ggggttctcg atgtgtctgg ggaaacagaa tgtgtttatt tgaaggtagc   300
tgctttcagg aaacaggcgc tgccagagat taaagtgaag atggggtcgg aggataaggg   360
aaggcttcca gaaggaggca agctagagct gagaggacca gggctgagtc aaacctgcag   420
aagagccagg gcctggagag aacctttct gccccatccc ctccccttcc cctagggatc   480
cagcttccaa aggccgaggc ccaagacagg                                    510
```

```
<210> 685
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(385)
<223> similar to gi2981631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 685
tagaaaccta catgaaatat acaaactctc aggaatacac aaactaccaa aactgactca      60
aggaaaaaca gaaaatctga gatctttaat aagagattga atcagcaatc aagaaacttc     120
caggaaagag gagcccagga ctagatggct tcataatgaa ttctacccaa tgtttaaaaa     180
agaattaaca ccaatccttc aaattctccc aaaaaaatag aagaggagga aattcttaat     240
tcattctctg agtcccgaat taccccgata ctaaaaacag agtaagagat cacatgaaaa     300
ctactgacca gtatctctta ggaatataga tgcaaaaatt ctcaacaaaa gattggcaaa     360
ttaaatctag cattatatta aaataaaaac atgcc                               395
```

```
<210> 686
<211> 725
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (137)...(723)
<223> similar to gi2653222 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 686
gagttccata cagcctcgga attaacgggc cgacccacgc gtgcgcggac gcgtgggcta      60
ctttggtctt agttgggttg tttggatttt ggtcctgacc tcgtttctga atgctgctta     120
tgtgagctgg agggagagtg gacactgccc ccccatcccc tctcactgcc ttgtgatggg     180
atcttaagag aggctgggcc tcgaagactc aggtgtggcc ccactgggtc aggtgtatag     240
ccctctcggg aggcggagga gccctctggg ggtggggagc cagcccctac cagtgtcctc     300
ttgggtggtg agtggtttct tggcagcacc aacctggact gcctcagcca ggaccccagc     360
attggccaca ctcccctgcc cagtgtccca gggcacaacc tgggcccata ggacctgaca     420
cagatgcgtt ggagcctgca gggtggatga gtctattacc tgcagtgagc ccatgtcccc     480
acagagggag aagagctggc gagagtggca gagggcacca gcttcccgcc tcaggagcca     540
cggcacagtc cgcaggtgaa gatggccccc acaagttccc cggcagagcc acactgctgg     600
ccggcagagg ctgccctggg cacaggcgct gagcccacct gcagccaggg taaggcgagt     660
tgggagcagc ccagcaccag cccccaggag gctgcctcac agctggcagc cagggtgggt     720
ttccc                                                                725
```

426

<210> 687
<211> 2049
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (228)...(1755)
<223> similar to gi3876451 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 687
```
ctacaacagt gaccaagctt tccacaccct ccacatgcgg ttgtgtggac atcatctctg      60
taaaggagca gagcaaaacc gtggtcacca cgacagtgac agactccctg accaccacgg     120
gaggcacact ggttacatct atgactgtga gcaaagagta ttccacacga gacaaagtga     180
aactgatgaa attttcaaga ccaaagaaga ctcgttcagg tacagctctg ccatcctata     240
gaaaatttgt taccaagagc agcaagaaga gcattttgt tttgcctaat gatgacttaa     300
aaaagttggc ccgaaaagga ggaatccgag aggtccctta ttttaattac aatgcaaaac     360
ctgctttgga tatatggcca tatccttctc ctagaccgac ctttggcatc acttggaggt     420
atagacttca gacagtaaag tccttagctg gagtgagcct gatgttacgg ttactgtggg     480
caagtttgag atgggatgat atggcggcca aggctcctcc aggaggaggg actacacgga     540
cagaaacatc cgaaactgaa atcacaacaa cagaaataat taagaggaga gatgttggtc     600
cttatggcat tcgatctgaa tattgtatca ggaaaatcat ttgtcccatt ggagttccag     660
aaacaccaaa agaaacgcct acacctcaga ggaaaggcct tcgatcaagt gcactgcggc     720
caaagagacc agaaacgccc aagcaaactg gccctgttat tattgaaacc tgggtagcag     780
aagaagaact ggaattgtgg gagatcaggg catttgctga gagagtggag aaagaaaagg     840
cacaagcagt tgagcaacag gctaagaaac gactggagca gcagaagccg acagtgattg     900
caacttccac tacttcccca acaagcagta caaccagcac catctctcca gcacagaagg     960
ttatggtggc ccccataagt ggctcagtta caactggaac caaaatggta ctaactacta    1020
aagttggatc tccagctaca gtaacattcc aacaaaacaa gaactttcat caaacctttg    1080
ctacatgggt taagcaaggc cagtcaaatt caggcgttgt tcaagtacag cagaaagtcc    1140
tgggtatcat tccatcaagt acaggtacca gtcagcaaac ctttatttca ttccagccca    1200
ggacagcaac agtcacaatt aggcccaata cctcaggctc tggaggaacc acaagcaatt    1260
cacaagtaat cacagggcct cagattcgcc ctggtatgac cgtgattaga acaccactcc    1320
aacagtcaac actaggaaag gcaattattc gaacacctgt gatggtacag ccaggtgctc    1380
ctcagcaagt gatgactcaa atcatcaggg ggcagcctgt ctccactgca gtctccgccc    1440
ctaacacggt ttcctcaaca cctgggcaga aagcttaac ttcagcaacg tccacttcaa    1500
atatacagtc ttcagcctca caacccctc gccccaaca aggacaagtg aagctcacca    1560
tggctcaact tactcagtta acacagggcc acggtggcaa tcaaggtttg acagtagtaa    1620
ttcaaggaca aggtcaaact actggacagt tgcagttgat acctcaaggg gtgactgtac    1680
tcccaggccc aggccagcag ctaatgcaag ctgcaatgcc aaatggtact gttcagcgat    1740
tcctctttac cccattggca acaacagcca ccacagccag caccaccacc accactgttt    1800
ccacgacagc agcaggtaga gctgtgggtt tatcggaaat gtcggatgtt actactacac    1860
gtggctgggc taacacaggc caacaggaga accagtattt accttggaa ggatatgcct    1920
caagccagtg agctcaacag ttgacatagt cagcctcaca acgtctcgaa gcttttgtac    1980
cctattctta cagactccct gttaccacca ccctctccct cctattaaaa aagagagaga    2040
gagaaaggg                                                            2049
```

<210> 688
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(616)
<223> similar to gi3165522 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 688
```
cattctgatg ttggagcggc cacagctgtc ttgcccctcc tcacggccgt gttgggtgtt      60
accgtggtca cccgcaggga cacggagggg ccaggcagag cagccctagt tcacctcacc     120
gggagccccc gccagaaggt gggcacctct gggagggagg gactgccagg ccttggggct     180
tcctgtgctg agtcagagct ggaacgggag acgcaggagc cccgcagccg cgggaggtgc     240
atatttgggg ctgccaggtg cgcgccaggtc cccttggcca gccccagcg ccccttтctt     300
ctgtccccag ggcctcggct tcacaggatg gggctgccag tgtcctgggc ccctcctgcc     360
ctctgggttc tagggtgctg cgccctgctc ctctcgctgt gggcgctgtg cacagcctgc     420
cgcaggcccg aggacgctgt agccccccagg aagagggcgc ggaggcagcg ggcgaggctg     480
cagggcagtg cgacggcggc ggaagcggtg agtgccaagc tgtcccgggg accagggtgg     540
ggtccgcagg ggaccgacca gccttcctcg cccccagtcc ctactgaagc ggacccacct     600
ctgctccctc agcaagtcgg acaccagact gcacgagctg caccagggc                 649
```


<210> 689
<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(621)
<223> similar to gi1813968 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 689
```
gggcgtcgtt agcacatagg aaggagaccc tctcctcccg gaggtcaccg ccgacacacc      60
cgcagagcct gcagatctcc tgggacaggc gaaggctgcg ggaataaagc tccctgtacg     120
tgtggcggcc gtgctggtca accagggcga ttctgtcccc aaaggccagg gcacgggtga     180
acaccggggc gctcctgtcc gagcgggcca ctggggctgt gtgcagaaga ccacttcctc     240
tgtgtctcgc aggcgccagc cggcaggagg ccaaggcgca gcccaggcgc cggaaggtga     300
gcaccacatg gggcggcatt gcactgacag gcgctcccgg gagcctcctg gggccgagcc     360
agctcccgag ccagagagag gaggtaaggg gaagttcgca gttcacaaga gcggcaggca     420
cagctgcttc agcaggtgga aagggcacgat aaggtgcagg caatgcaaat gctcatcctc     480
ctggggcagg caccaggcct ggcgctggaa cccggaaggc cggtgggaca cctgtcaacg     540
ggcatctgtg ctgaggtccc aggctgtgtg tataacgctt cccacaggca caacactcaa     600
```


428

```
cactcaatgg gggaagggaa gcatgttcat ttacaagcta aagacaacat tatcaaataa     660
agctgtgagc cttatctccc dacaatggcc agcagtgacc ccatgaccct gtcgagtctc     720
ctcccacaca ccacgccccc tctgtgggat ctgtgcccat gttcagcagg ttctctctct     780
ccagcacatc tctttcatta acttgtgagg ggaaagctac tgtgttattg tctgtggttt     840
gtaataaaca gttttgtttt ctgctcttag tttgaa                               876
```

```
<210> 690
<211> 1037
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1038)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (123)...(613)
<223> similar to gi2997619 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 690
taaaaagtga ggatcttttc ctttcttgta agttagaaga aataacctct tcagttaaac      60
cttcagtgaa ggttctttta gttttctgtt ctgctttcta aaaacataga ctctgttctt     120
tagagcaact tatgactctc atctctgctg cacgagaata tgagatagag ttcatctatg     180
cgatctcacc tggattggat atcacttttt ctaaccccaa ggaagtatcc acattgaaac     240
gtaaattgga ccaggtttct cagtttgggt gcagatcatt tgctttgctt tttgatgata     300
tagaccataa tatgtgtgca gcagacaaag aggtattcag ttcttttgct catgcccaag     360
tctccatcac aaatgaaatc tatcagtacc taggagagcc agaaactttc ctcttctgtc     420
ccacaggtat tgtatataat ggctttacat ttaactagtc ttcttggaat atataactta     480
taaaggacca tgggcccat tctctctcca cttccctcct cctttggtgt gtaaaagtag     540
gaatcttttt ttagaagaca tttttcaaga tcctaaattg gagaaatttt aggaactaat     600
aaatgacaac tgactaggca aaagattttt atgtattttt aagtactgga agtatatgaa     660
cattacattg tcaatattaa aagagggata gtattgaaat gaaaactgga gaaaaaccaa     720
attacattgc ttttacctta gtcacttctc atttcctcct acttgtcccc ttttttctgcc    780
catgcatatc tgtcccttttt tgcactcctc ccactcccat ctgggctctt atttcaagta     840
gtcagcatag aaagcttaac agtttttccc gttttccttt ctttntgccc ctctggtttc     900
tttcattgaa aatattttag tctcttagtt gcttctcaaa attcaactta caggaagttt     960
tccccacact tcctttgtca ggaagaattt tagattaaat tatttaactt tctttgtgtg    1020
tatgtgagcc gagaacc                                                   1037
```

```
<210> 691
<211> 701
<212> DNA
<213> Homo sapiens
```

429

<220>
<221> misc_feature
<222> (3)...(701)
<223> similar to gi4584086 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

       <400> 691
ggagacagag tggggaggaa tgccctgtct cctctcccag gggccccgac caccagccta   60
gaccagcggg actctgggct gctcaggctt cagccatctc tctcctgcca ccatggctct   120
gcccagaaac cgtggatggc cctgccccca accctagaat gttgcagggc tttccggcag   180
gagaggggca caggagggcg accatgggct gaggtttctg aatgacattc agcaggattt   240
ctgccaatgg ctcgatggct cgcttccact ggtaaggatc accggtctgc ccccagggggc   300
cctggaccca aacaggagca tcaggcctgc ccaggaaaca gacacctcag gtccgtcact   360
cggaggcctg gatgtagacg ggcacagcga gcatggcaca tgggccctcg gccccggcct   420
gcagctccgc cagagccagg ttggagccca gcccctcagc gtgtccaggt accaccagct   480
cagtttccgc gcccaccgca ccacccacaa cgatggacag caccgcgtcc ggctctgcga   540
agggcggctt gccggggaca gcctcgggca ccagcccagc ccctgtgtcc ttcagctcct   ·600
ccagccccag cgggtcaggc aagggggtca gcaccttgcg cccaccactg ccgcaactgc   660
ggggggggctg ccctcctctg ggggggccgc cgggtctaca g   701

       <210> 692
       <211> 1979
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (221)...(1899)
       <223> similar to gi50489 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

       <400> 692
ttttttttttt cacgtctgca agtcagcgtt tattgctcaa gcgtattaaa caaaaatgta   60
gactgaaaga gacagttctt ttaaacccca ttttttccgga tttttttaagc gctctaaaat   120
aagaaaataa gaaagtgcaa gccagcaaaa acgctccaag tgcctaattc tgactctgaa   180
acttgagctc tctgggtctg cccccaagaa gacatcagcc cgccccgggt cgtccctgtg   240
gctcccaccc cattcccagg agcagacccc gccagcctca aagctgcagg gaggtggggg   300
tggcctgcag acagggtggg gtctgcatcc ggtaccagtg acagcagcct ctcctctccc   360
acggtggtgc ttgtttgggg ctgtggccaa agtgtttgcc cggcccctga ctgtgtcctt   420
ccggagctgc cgaggactgc agagagggcc tggcttgtcc cctctaggag cagctgggaa   480
ggtgtcttgc ctgcatcccc cttcaatggt tgaaaataat gattccactt gtcatgaaca   540
ccatgaaggt atcttggcag ccagagtcac tcctgttccg aagtgggaaa cctgggaggg   ·600
tcctcaaacc ccctggcagg gtctgcaggc cgccccatcc agctgcatct cccaggcctc   660
ctggttcttt gatcttgatg gccccaggcc acagatgcat ctccgggcct ttccagcagc   720
ccatgggggga ccagtcaata caccccacgg cggtgaagag aaaacgttca tgtcttctca   780
gatcagaagg aaagaaacaa aaccattgtg aaggaaaaca cctgctggaa agtaattatc   840

```
aaagtaacag cattccagtt tcacagtcgc cccaactcac tgtggattta ctgccgtcag    900
ctgggaggac ccaggcgccc tcgggacgag gagacgcagg gaaacccact cctggccatg    960
gcactaccca aagccagtgt tattctcaca cccaactgtc cctgcagcct ggcaggtggg   1020
cagtgaccgc ctgggctgta ccctaagacc ccaaaacagc ggagatggag aagaccgctg   1080
ccctgggggcc ttctcagtga ggatcaagac aaagtacttg ctaggaggta gagggcgctg   1140
ggtgaacctg tgagaattcc tgggctctga cctgatctgt cctgcatttt gagtaatggg   1200
agcaaacaca ggagggaggg gctcagcttc ccccggtcac tggggccagg gagacgtggt   1260
ccagccggtt tacaaagcct tggatgcagc cccacccccca agaacactgc ctgtcacagc   1320
agcggccacg tggcactcca agctgggcat gacagtgccc gggacgtggg cagcggccat   1380
gtggcactcc aagctgggca tgacagcacc caggacgtgg gccggccagt gtggcggtgg   1440
atccctctag aatgactggg tctaagtagg gagacagggc aggcgacccg gcgtggactg   1500
gtgtggattt cacctgggag agcagcggca gcctgtgtcg cttgcgccca ggctctggag   1560
gaggggcccc tgcggctccc gggccaggac agaggcgccc agccctgctc tcactgtcca   1620
ggaagagccg ctgggcagcc tgagcctggg gcaggtgcac cttgcaggga agtgggtaag   1680
atcccactgg gctgactgag tacccgggac agaccctaag cgtggaggga ggaagcccgg   1740
tcagagtggg caggagacgc agggacccac agtctggtca ggtccagaga gcccactcca   1800
gcccaagcca tgagagaggc aggaagagga gctggggcca gttcaggggt ggggctctca   1860
agaggccgag ccggggggccc ttcctcggcc tgggaagttg cggccatgct cctgctgtta   1920
cgacacggga gccactcgga gctgactgat ctcactgagg cacagactag ccaacattg   1979
```

```
        <400> 693
gggcctccag actccagctc agttaaggtc gccaagcagg taggatcttt ctggaaccca     60
gatctgatca cacctccctg gaggtccctt caggcctgcc ctccctgcca caccctcacc    120
agacaaaaca cttccctgtg ccatccccaa gctctcacct cctctcatct gaagcgctgc    180
gcctggcaca ccaggctcca ccttgcctgc ctggccaagc cctactagga aagtaaaatg    240
tcacctccag agagaatcaa ccactttatt gcctgctctc tccagcatct cgcggattta    300
cctacatgta ggagtccccct acccaacccc gggcagccca ggatcctgca cccagtgagc    360
cctcatcaat ggctaactga atgggaagct agtgagaggg tggggctggc ggtggtcagc    420
ctatgtcagc cctggacaga aggggtctcc ctcatcctgc agctggtcca ggaagcagcc    480
ctctttggag ggctccactg agagctcctg ccctgctggc tccgtaccca agcagggcc    540
aggatggagg acgctgcatg ctgtgccaga acgagtgtct agtggacctc cccactagac    600
tccccactag actccccacc tagctcccta gcccaccaca ggcaccgctt ttggttctag    660
ggttctgccc agccagcctc cctgtcccaa ggccaggcca tcccagctga gaccccctgcc    720
caggatccgc tgcatggctg gcatctgtgc caacctcct                          759
```

<210> 694
<211> 1542
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (264)...(1178)
<223> similar to gi3183977 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 694
```
cttgccaagt gagtgtgggc gcaagacgcc cctcttggcc agggctctgc ccggcctgtg      60
cttcctcagc ctgtccatgc accagttggg aggcccagca caggatctgg cggccccttt     120
gggagctagc cagcaagaca cccacgtcac agtgggcaca atgacatccc aaaggagggg     180
tcaggagcct ggacatttgg ggagtggcct ggcatgggtc ggggcagta ggtggagtcc      240
aaccaccgat ctgctcctct tacagggaaa tcgggagcac caaccgtgcc ttgctgccct     300
ggctgctcga gcagaggcac aagcacaaca aggcctgctg cccgctggag ggggtcaggc     360
catcacccca gcaggtcaga ctagacttcg gtggccacaa acccctatcc tgggttttga     420
aaaactttgc ttttgctcac ccttcctgtt gatctccctg ctttgtgttt tcttctggta     480
acatcacata gttgtcagct gttcctcttg tttgactgcc agcccctgtg gggaaatcag     540
ggtttccagg cccaagcgct gggcagccag ggtaaggtgc agctctctct cccagcagac     600
tgagtatcgt aataagtgtg agtttctggt tggcgtcggg gtggatgggg aggataacac     660
cgtgggctgt cggctcggca agtacaaggg cgggacgtgt gctgtggcag ccccgtttga     720
caccgtgcac atccccgaag ccaccaagca ggtggtgaag gccttccagg agttcatccg     780
gtccactcca tactcggcat acgacccaga gacgtacaca ggccactgga agcagctgac     840
tgtgcgcacc agccgccgcc accaggccat ggccattgcc tacttccacc cccagaagct     900
gagccctgag gagctggcag agctgaagac ctccctagcg cagcacttca cagcagggcc     960
aggcagggcc agtggagtga cctgcctcta cttcgtggag gagggacagc gaaagactcc    1020
tagccaggag ggcctgcccc tggagcatgt ggctggggac cggtgcatcc acgaggacct    1080
gctagggctg accttccgga tctctccaca cgccttcttc caggtagcca tgagtccctg    1140
gtgggcatgg ggacatgttg agggaggcct gacgcaccat caggacgtga tgggaacagt    1200
gggctcaggc ggtgagattt gggggagtat ccaggcaggt gagccacagg ggagggtgaa    1260
gtaagaaaga ggttggtcat cactgatttg actcgggata acctagaggt acacacggca    1320
gtggcccttg tcacagggag gatgaggagt ggccctcagt gcattaccac agggcactgc    1380
tctgggctcg gcaggaggga ggccatggtg gcctctgggc tgggaaatac tgtttcactg    1440
tttgctcact gctgcaggaa ggctgtgggg acctggagcg gccgtttttg gagacaggcc    1500
tggcaggacc tcctggaggg ctatgtgtgg gggtgggagc tg                       1542
```


<210> 695
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (64)...(414)
<223> similar to gi600118 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 695

```
cccatctccc ttgcgcgaaa cgagcctcag cacgaaggcg acagaggggc cggcagggggg      60
cgcccgagcc ccgtctctgg agcacaaaga cccccggccc ctgcgcgacc cggacgagct      120
cgcattcagc caacgactcc tgtgagaaac attccagcaa gcactcggct gctcccctgc      180
ccgccgcgct cacaaccgcg tccattccct cctcactcta aagccagccc cccgtgcacc      240
tgagaggcca gtccaggctg tgacgccgca tcctcacctc ccgcaacagg gaggtcagca      300
ggcggccgag cagcagggac agaccctcag cctcatctca tcttggcccg ggacctgcaa      360
ccctcagcct tcaaaaccac accaaagcca agcggccccc agggcctgca cttacgggac      420
agcgagtggg cccctctggg caggtactcg aacagcaggg agccgtcatc ccccagcacg      480
tcggccttca gcgacagcag gctgttctta ccggac                                516
```


<210> 696
<211> 967
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (409)...(918)
<223> similar to gi1334878 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 696

```
cgcacagggg gaaatgaggc tcagggaggc agctctcctg gcgtgtgcct gctctgccaa      60
ccagctgctc ggtggcctgg ggcaagccgc taagcctcag tttcccgtct gcaacagaac      120
agccacctcc gcggcatcag aagctgctgc agagtccgag gcacggagtg gtcttccagg      180
gcacggcact gtgccctggg catcagtatc tcctctgcct tgcacgcctg cgtgttacac      240
aggccaggcc cgcctggggg gtgacttgga acctcagctt ccttctgacc tgtaggcagg      300
ggccccctc aagggaagca gctctggaga aaaagtacaa catccttccc tgcattctcc      360
tgcgttcggc agggacagaa actgggcagc tttctggagc gcggtttggc aacatgtggg      420
cactgaaaac acagtgctcc ctccccagag ccagggaccc tcagtgtcag agaggagccc      480
tgcgagctcc ctccccagag ccagggaccc tcaggtcag agaggagccc tgcgagctcc      540
ctccccagag ccagggaccc tcaggtcag agaggagccc tggcttccag cacaaaggca      600
ggtgcactca gtggatcctg cagccctaca gcaacggtgg gaaccaggaa aacctggacg      660
acagggcctc ttgctccccc caccccatct gggaagtgtg tgggaagttt ctacactgcg      720
tcaccctctc tactactgtt taccttccaa ggttgagcca tcctagtggc tgctgtggcc      780
acacctgcag cccacacggc caaccctcca cagcatctgt ccagaggccc aggcagctcc      840
tgccaggaac cccgcagtgg cgcctcctgt ccctctcccc aggttagaag cctctgctgt      900
ccaccctgca tcctccatgg gaacaagggc ctcgcgcgga gccaggcctg ggtttgaatt      960
ctgactc                                                                967
```


<210> 697
<211> 811
```

433

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(812)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (23)...(812)
<223> similar to gi2981631 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 697
```
tggaacccng ggagncggaa cttttacagt gagcccaagg atcatgccna ctgctctccc   60
agcctgggcc catatagcga gagtttgtct caaaacaaac aaacaaaaca ctaaaggaaa   120
ttagggcttt aaaaaaatgg aacgtcttcc ccatgccctt ggattgttaa gatttaatat   180
tattgtaaag gcaatactcc ccaaactcat ctacagattt aatacgaccc ctatcaaaat   240
tgcagctgcc tattttgcag aaaatgacaa acatcctaaa cttcatatga aaatgagaga   300
tccagaagag tcaaaacaat cttgaaaaag aacaaagttg gaggactcac acatttcact   360
ttcaaacctt actacaaagc cacagtaatc aagacagtgt agtactggcg taaggacaga   420
catatggact gatggaataa aattgagagc caaaaataaa ctcttaaatg cacattcaac   480
tgatttttga cagggatgcc aagaccattc aatgggaaag aatagtcttt tcaacaaatg   540
gtaatggaaa attggataaa cacgtacata ataatgaagt tggatcccta cctcatacct   600
tatgaaaaag attaactcaa aatggatcag agtattaaat gtaagtgcta aaactaaaca   660
cgggtgtaac ttttcctgtc cttggattag gcaatagttt cttatgacac ccaaagcata   720
agcatccaaa ggaaaacaat agagatcttt aaaattaaaa atgtatgtac ttcaaaggac   780
actatcaaga aagtgaaaag acaatccaca g   811
```


<210> 698
<211> 963
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(964)
<223> similar to gi3599339 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 698
```
tggaattcaa attaccaacg ttaggcagaa aacaggggtt ctaactatag aacctacaga   60
cattaaaagc ttaataagtg aataatatga acaagtctat ccaaaattca ataacttaaa   120
tgttctaatt gcttgaaaaa cacgaagaag actcaccaac tataaaatag ataatttaag   180
tagtttata ttaaagaaat ggaattcata gtttaaaaca tgctgaaaag gaaatctcca   240
ggcatagatg tcttccttgg gtaattatac caaacttttta aagatgaaat gacatcagtt   300
```

434

```
ttacataaat tattccagaa aacaaaagtg gagagaacac ttcccagctt attttacaaa    360
gccaacatta tgctgatatc aaagccaaag acagtacaaa gaaggaaaac tatagaccaa    420
ttcttcttct gaacatggac acaaagttta caacaaatat cagtaaatca tagctattaa    480
tacataaaaa gaaagataca ctacaactag gtgtggttta ttcagcaaat gcaaggctgg    540
ttcaatattt gaaaatcaac caatgttatc tgcaattttg acagactaaa gaaaaaataa    600
aacaccacag gatcatatca gttgatgcgg caaaagcatt tgaccagatc aaacatccat    660
ttataataat aactctcaga aaactagagc tagaagaaaa ctttctcaac ctaaaaaacg    720
aggaaccaca aattaactaa agctagcatc acacttgatg gctaaagtct caatgctttt    780
cccctaaaat caggaccaag gcaagtgtgt ctgatctccc cactgctatt caacatagta    840
ctgggaatcc tggccattac aataatgtaa gaaagaaaa gctatacaaa ttggaaagaa    900
aaaataaatc tatccttatt tgcagattgc atggttgtct agatagaaaa tcccaaggaa    960
tct                                                                 963


        <210> 699
        <211> 860
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (6)...(860)
        <223> similar to gi3002527 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters



        <400> 699
ttttttttt gagatggaat ctcgctctgt cgcccaggct ggagtgcagt ggcacgatct     60
caactcactg caagctccgc ctcctgggtt cacaccattc tcctgcctca gcctcctgag    120
tagctgggac tacaggcgcc tgccacaacg cccggctaat tttttgtatt tttagtagag    180
acggggtttc actgtggtct caatctcctg acttcatggt ccgcctgcct cagcctccca    240
aagttctggg attacaggtg tgagccaccg cgcccagccc gttttttaaga tttttttattt    300
gaaaaattgc caattcttta agtgttttct ttttcagatt tatgaatttc tttatctttt    360
aagctatcta taccttactg caatttggta aagcagactt ttgtgaacaa aaattataac    420
atttactttt gctccctacc tgactgccac agaactgggc aactattcat gagtattcat    480
atgtttatgg taattcagtt atttgcacaa gttcagtgag aatctgctgt ctttataatg   \540
ggatatagtt taaaacattg gttatattac caaggctttg attgggatgt tatatttgag    600
aaaatacaga gaatgataga ttaacggagt gtctaatcta tcgtgtcaac cccaaatttt    660
tacgtatgag atcctttagt ccacccaatg gctgacagta acagcatctt taacacaact    720
ctttgttcaa atgtactatg gtctctttta gagtcagact cctagactca cttgttctca    780
ctgtctgttt taatttaacc caggcatgca atgctagata ataaaattgc tccctattgg    840
ctgatcaaaa aaaaaaaaaa                                                860


        <210> 700
        <211> 451
        <212> DNA
        <213> Homo sapiens
```

435

<220>
<221> misc_feature
<222> (15)...(451)
<223> similar to gi2197085 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 700
gcactcggag cgagcacaaa atgattacac aattgctcaa gtaggacttt atcccaggaa   60
tgcacggatg gtttcatatc tgatcaatta gtataataca tcctatcaat ataaggaagg   120
gacaaaaaca agatctcaac aggtgcagaa aatcatttga caaaatccaa tgctcttcat   180
gataaaaaaa aagaacctca acaaactagg aatagaagta aattttgtta acttaacaaa   240
cagcttctgt gaaaaaccta cagttaacat catattccat gataaaagca tgagagtttt   300
gcccccagta tcaggaacaa agcaaggctg cccactcttg tacagcgtac tggaaattcc   360
tgccaggtcc ataatgcaaa aatatgaaat aacaggcata tgattggaaa agaaaaagta   420
aaactatctc tggttgcata caatatggcc t   451

<210> 701
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(452)
<223> similar to gi5851985 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 701
cctgaggact tctgcacgag cggcaagcag aggccagatg ctccatctgt ctggactacc   60
tgagacaccc aatgaccact gattgcaggc actacatctg aagtgcctgc atccaccaat   120
gctggtaaga attacaggac atctctccct gtcctgtctg cctccagcac tgtcctgaca   180
agaacctcaa gaggaacttc cagttatgcc acatgaccga tattgctaag cagcttctca   240
ccactgcaag gcgcaaaagg aaactgcagg gagaggagcc cgtgtgcagg aagtcagatg   300
tggccctgtt ctgtgagaag gatcctgagc tactgtgtca ccagtatagg gtctccctcg   360
accactgaga tcaccccccga tgcccattga acaagctgca gctaagcaca ggaagcagtt   420
cgagagctac attgaaccct tggaaaagca agt   453

<210> 702
<211> 553
<212> DNA
<213> Homo sapiens

<220>

436

<221> misc_feature
<222> (232)...(532)
<223> similar to gi1144514 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 702
```
aattcggcac gagacctgga atatgatggt gaaccccagg cccctggaat atgacagtga    60
accccagaca cctggaatac aacagtgaac cccagacacc tggaatacga cagtgagccc   120
cagacacctg gaatacaatg gtgaacccca gacacctgga atacgacagt gaacgccaga   180
cacctggaat atgatggtga actccagacc tctggaatat ggtggtgaac cccaggcccc   240
tggaatatga cagtgaaccc cagacacctg gaatacgaca gtgagcccca gacacctgga   300
atacaatggt gaactccaga cacctggaat acaacgatga accccagaca cctggaatac   360
gacagtgaac cccagacacc tggaatatgg tggtgaaccc caggcccctg gaatatgaca   420
gtgaacccg taaacctgga atacaatggt aaaccctaga cacctggaat acaacgatga   480
accccagaca actggaatat gaaagtgaac gccagacacc tggaatatga tggtgaaccc   540
cagacctctg gaa                                                      553
```


<210> 703
<211> 306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (288)...(133)
<223> similar to gi537530 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 703
```
tttttttttt tttttgtca tcttagaata tttaatcagt tagcactaga tgaaggctgg    60
agtaggagag actgggatag tggggggcaa tgtggggatg gaggcagggc gagggagata   120
aagtcaaact ggttttttttt ttgttttttt ttttttttttt ttttttttgg agacagagcc   180
ttactctgtc gcccaggctg gagtgcaatg gtgtgatctc agctcactgc aacctctgcc   240
tcctgggttt aatcgattct cctgcctcag cctgggcaac agtgagaccc tgtctcaaaa   300
aaaaaa                                                              306
```


<210> 704
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (12)...(594)
<223> similar to gi216918 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 704
gaacttgtct acgacgccga tggtactgta aggagtgcgc tgagagcgtt actgcctgct   60
gaagaaagta catcgagtta gtatggaagg agctcgaaga aaagtttgga tttaaagtcc   120
tctacattga cactgatggt ctctatgcaa ctatcccagg aggagaaagt gaggaaataa   180
agaaaaaggc tctagaattt gtaaaataca taaattcaaa gctccctgga ctgctagagc   240
ttgaatatga agggtttat aagaggggat tcttcgttac gaagaagagg tatgcagtaa   300
tagatgaaga aggaaaagtc attactcgtg gtttagagat agttaggaga gattggagtg   360
aaattgcaaa agaaactcaa gctagagttt tggagacaat actaaaacac ggagatgttg   420
aagaagctgt gagaatagta aaagaagtaa tacaaagctt gccaattatg aaattccacc   480
agagaagctc gcaatatatg agcagataac aagaccatta catgagtata agggccgata   540
ggtcctcacg tgctgttgca aagaaactag ctgctaaagg agttaaaata aggc   594

<210> 705
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(422)
<223> similar to gi3327206 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 705
tggtatgtta ggcctccaaa tccatttat aggtcattat acccaaacat tatccaggat   60
ttagatacta tagaatccac ctagcggtgt gggcgacgca gcttgcagag gattcaatac   120
cactctgaaa atagtaaagg tgtctatggt ttacagtacg atgatgaaaa aattatcagt   180
ggcctacaag ataattaaga tttgggataa aaccagcctg gaatgtttga aagtgttaat   240
ggccacacag gttctgtcct ctatctgcag taggatgagc gtgtcattgt aactggctct   300
tcggattcta cggtgagagt gtgggaagtg aacacgggtg aagttcttaa cacattaatc   360
caccacaatg aggatgtact gcacttacgc ttcagcagtg gactgatggt gacctgttcc   420
a   421

<210> 706
<211> 1194
<212> DNA
<213> Homo sapiens

<220>

438

<221> misc_feature
<222> (996)...(344)
<223> similar to gi3002588 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 706
```
ctttgtggca tcaaatcatt atgtttgtat gtttggaagg ccacgccatc tatcctccca      60
cccagggcag gaatttctgc tcccactttt gctttcctgg aggtgaaata ggaagaacaa     120
ggacccatgc tcaagtcccc aaagaatggc aggatgccct cagtggaggc agactgtatt     180
taaatgcaat tcacctcttt ggggtctagg aaaagccacc cgtaggttca tttgctggga     240
aacacggtct gcgtgcctga ggcagtggac accagggttg tggccttgcc aagagctgac     300
tttctccgga ggtctgtctg ctgtccggag tggcagccac ttcggtgggc aaataggacg     360
gtcatctctg ggcccaagga cgctgcttca ggctgggacg ccttgagggt ggctggctgt     420
tcaggctttc cggaggtggg atgggaggtg taatgtttgg tgggaggagg gctgtaattc     480
tgaaatctca cggttttgac ttgcttttcg atgccatttc ttgagttttc tggtttcacc     540
aggatggatg gtggggcaga tgcgggcggt tttggcagag gctcactctt gatggggatt     600
tctttgtctt ccataatgag ggagctggcc gcggagtgga tccgggcctc actgcccctg     660
ctgatgcacg tgagggcggg ctcccccgtg agggcaggct ggacccccat ctccaccacc     720
acggctgagg gggaggaggg gatcccctgt ggctggtaga attggaactg ctgaggccga     780
aggaccatgg tggggctgcg tctgagggag cctaccacga gagtggggat cccggactgg     840
aggggtctct gcagggatcc attctttctc atgctgctcc gccctttccg aagagaccct     900
tgtcctaaag tcccagggcc ggctgtgctt ctcacggggt tgactatggc agtgggcaca     960
aagacggatt tgaagggacg gctttgccgt ggatcacctt ctgaaatgct gccttgggag    1020
gacacagagg aggtggataa cgtccatgtg gtgtagagac cagggctccg ggagtctgga    1080
aaactagagg tctttctgaa aatggggatg acggtaattt ggtttgcaaa gaatgccgac    1140
ttcgccccgt tggaccaagg gggacggccc cctggaggcc agaccgggcc ctgg          1194
```


<210> 707
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(769)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (29)...(768)
<223> similar to gi530876 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 707
```
gacagagcgc tggaattccc ggaggaaggt ggcccgctgg aacaggtgag gaccccgccc      60
gggacgcggg agagcggtcg ctctggccgg ggcctccccg cgccccagtc tcgagtttcc     120
tgacgccccc ggcccagggc tgcagcggct ccacccacgg ctccagccct ggcgctgggc     180
```

439

```
ttagagtgtg ttccccaccc gaaccccacc agctgttgca gacctcacag tccagtcccg   240
gagtcagata gtacgaggaa aaagtttcta ttgcagccgc acagcgaaga aacgctctca   300
gccccttccc cttgagcgcc tgggtcgtcg ttgagcccca ctcctgctcc ctcgtncact   360
cccgctccct cgtccgctcc caaaccccac tctctgtcct gatgtggagg aaagctgccg   420
ctggacttcg ggtttccaga atgaggcccc aaacagggtg actccagagc tagttgaaat   480
tcagcactta actgtgctct ttgggtaàac ctgggcgcct tccagaaagc atgtttctcc   540
ccaaaaccca gttctttccc tttccttatt cctctgccca gtttcagaga tcacaagggg   600
gtcatctgag tcaggaagta aatggtcagt tctctgccgc agccacccca ttgttcacat   660
ttaaaacgcg gcttgggccc atccagcaag tattagaact tgaaggcact tttatcatct   720
tgtatgatcc tggtgatttg gactgacttg gatctgcggc ttgatgct              768
```

<210> 708
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (146)...(447)
<223> similar to gi854065 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 708
```
tggggcatgg gaatggattc tttatcctgc cccagcccac caggatgctg gttaggctcc    60
ccctagccct tgccgacctc tccctcctag gcccttgcag tcccgtttat ttctcccata   120
cagccttgtg acaccgaggt aaaagtgtat gtgtgtgcac agggccatgt gtgcgagcac   180
gtgtgcattc ctgcatatgt gtgctgcgtc cgtgacatgc atgtgcagga gtgcagtatc   240
cactgccgtg tgtgtgcatg tgtgcacatg cccctggcct tgtgtgtatg aacttgtggg   300
gcttgtgcat gtgtatgtgc aagcgtccac gtgtgtgcgt gtgtggggtg ccccatcctg   360
gggaaggtgt atctgcagga tgctcgtgct aggaagctca gggccatcat tttccaaccc   420
ggctcaagcc ggggaattcc accacgc                                      447
```

<210> 709
<211> 822
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (219)...(822)
<223> similar to gi3875920 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

440

<400> 709

```
tttttttttgc tgttggttgc cttactttaa tgctgaccta gcagccccga caggaagctt     60
taacataaag ccttgaccct gagaagcatg ggtgcgtctt gtcgtgagca ggttcatggc    120
tgtgctccat cctcagcccg ctgatttttg gtcttttgtc ctttgatcca gcagttccca    180
cgtggatgtt gtactgcttc tgtccttgat gttgatgccg tgggcagtca ggccccggcg    240
cagggtgtcg catgcttcca gcaggggctg cctttctagg agctgctgcc gccgggcgtc    300
ccccgtggcc tcgggcatgg ccagcgcaaa ctgccggacc ttctgccgga accgcaccag    360
ctcgtccacc acaccatgca aggtagcctc gctgccgtct cctgaaacgt actgttgatt    420
tgccagagaa attccaacag tttcaaaaaa ctgttcaaag taagagatga tggcaccaaa    480
cacagcagga cttctcggcc cttcaggttc cttcagggac gccctgagct gtccattccc    540
gtggtgtgca aggcccagga tggcatcaac caccctgggt gtgtcaaagt catctgccaa    600
ggccgccttc acggccctct tggtgctgga gagcctgagg aagaggaga gaacagtcac    660
agcagaggga gctccactct ccccaggcgg cccccacacc agtccttccc cagggagaga    720
cgctgggggc tctaatctgg ggactttctc taggtcatat tcccaaagac ttgagttcct    780
gagtagcaga aaattatgta acatcaactg caaactgtca tg                       822
```

<210> 710
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(418)
<223> similar to gi286009 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 710

```
gtaataatca tatcaggaat tatcagttca ttgcctagca caggaaatga caaacatgaa     60
aggaaggtcc tgttgtattc actaagcccc agagatcctg tatatctact atgagaaatc    120
attgaagttc tgcaaaaagg agatggaaat gcacacagta ataaaggtac agaaatctgc    180
agatatgagc tcctagaatc catttctcta gctttgttaa gcttcctgca aggacatgcc    240
caagaggtgg tgctagataa gtccgcgtgt gttggtatct gacattctgg gatctgccac    300
tggagatgtt cagcccgcca tgaatgccat tgccagcttg gcagcagtgg aactgcaacc    360
tagtggcaag gaccgagagc ttcacattgc agaacatcct tcaggacatc tagttg        416
```

<210> 711
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(770)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (498)...(769)
<223> similar to gi2055431 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 711
accctgtctc tacaaaaaca ttttttaaaa acttagccag gcatgatgac acacacctat   60
agtcctagct attcaggagg ctgaggctag aggatcactt gaggccagga atttgaagtt   120
gcagtgagct atgatcatgc cttgccactg cattccagcc tgagtgacag agtgcgaccc   180
tgtctctaaa aaacaaaagg aaagtgtgtt acctgtagga actgtgaatt cagtgggttt   240
tgctggtggt tctgatcctg tggggccagg atatttcgaa ttaccttgta agtgacttgg   300
aattttcat cagcactaag tcagcctttg attttatttg acatagtttt cggtgtgtgt   360
attgctcttg gcagttggtg tcactaggtg tcctaccgta gaagtgtccg gtaccctgaa   420
gacacccatg ccactgttgt gtttgatatt gacgccacat atagacagga gtccaccact   480
gtgttccatt tcacaggtac gctacgggcc atgacatcac agagcactct gtgctgatcc   540
acgagtacta cagccgagag gcccccaacc ccatccacct cactgtggga cacaagtctc   600
cagaacgggc cgcatgaggc atcaaagcct tacggtcagc acttttaatg gggagttcct   660
ggggaggggac ctgggggagt gatgtttcaa ggcttttgaa agtgaattag ggttattagg   720
acattgaagg cttngggttg aactgatcat ggaggactgt tttaggcca   769

<210> 712
<211> 797
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(798)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (27)...(800)
<223> similar to gi4558641 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 712
ctcactcact cctgcttggc acgagggtcc gagatgcttc tagcaagatc cagggcgagt   60
acacgctgac cctcaggaaa ggcgggaaca ataagctgag cagggtcttc caccgagatg   120
ggcactatgg cttctcagag ccactcacct tctgctccgt tgtggacctc atcaatcact   180
accgccacga gtctctggcc cagtacaatg ccaagctgga cacacggctc ctctaccctg   240
tgtccaaata ccagcaggtc cgtgctggcc tgggagccag ggagggtagc acctggctgg   300
ccccaggcct cagtttccta ggtagacccg accaggctat gcatctcccc tcattccgcc   360
acgtatctcc aggaccagat tgtcaaggag gacagcgtgg aggcagtggg cgcccagctt   420
aaggtctatc accagcagta ccaggacaag agccgcgagt atgaccagct ttatgaagag   480
tacacacgga cctcccagga gctgcagatg aagcgtactg caattgaggc cttcaatgag   540

```
actatcaaga tctttgaaga gcagggccag actcaagaga aatgcagcaa ggaatacctg    600
gagcgcttcc ggcgtgaggg caaccgacga aagagatgca aaggatcctg ctgaactccg    660
agcggctcaa gtcccgcatt gcccgagatc catgagagcc ngcaccgaag ctgggagcag    720
cagctgctgg tgcccagggc ttcggacaac aagagagatt cgacaagccg cattgaacaa    780
gcctcaagcc ggacctc                                                    797




        <210> 713
        <211> 411
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (23)...(411)
        <223> similar to gi1542813 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 713
tacgcctcgc ttggcacgag gggtggcgac cctgccccag gctgtggggc ccctgcagct     60
gttggcagcc gggccaggca gccctgtgaa ggtggcagct gcagcaggcc ctgccaatgt    120
gcacctcatc aactccgggg tgggcgtgac tgccctgcag ctgccttcgg ccactgcccc    180
aggtaccccc atctccctcc ctcaggccta ggtgagagcc ggggaggggt gcagtcatct    240
cggagaggga ggggctgtcc ctgggctcct ggagggcatc tcatccctgg caagtcccag    300
tgccccaagg cccaccacaa ggctccctcc gcccgccctc cagctgcaca gactccactt    360
ctctctggct tggcctgctc tcctggctct cacctgcgct cggtccctct t              411




        <210> 714
        <211> 1390
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (210)...(1347)
        <223> similar to gi177179 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 714
tttttttttt ttgtgggaga tgttttattg gctttcactt tcctcaggga gccagcggct     60
cccccagcag gtccccacgg tggagccgag tgagctggga gggatgggtg cttacttcgt    120
ttcaaagaga tctacatatc tacagagagg atggagacca gaaaggaatt gggaaatgga    180
atcatgaggg ctgggccctc atccccaccc cacccagccc accccctaa cccaacgcat     240
cagaaacaga cttcacagga tgcacagagg gaagccagag gtgtggggcg ggcccggggg    300
```

443

```
gccggggctg cgagggacct caagggcgaa tgccactggc ctgtccaaac caggcaggag        360
agaaagtaag aggaggaaaa caattgagaa cataacgatt gtgtcttcgt cagccgttcc        420
ccccgacgcc tactggaaaa cggttatttc gttttgagt aagggcaaga agtgtcctgc         480
tcaagccacc cctccgctca gggaaggcca ctgcccggca aagccttgtc tttgagggcg        540
gtgccttccc tgggcagaga ggggctgccc cggccctggg gctccatggc agggcacaaa        600
aggagaggca gagccccaga gagggaaggg ggctcctggg gccaggctgc tgagaggaaa        660
taattgcctc tttctgggtg aggaagagct gccttcctga tggctggtgt cctgggatgt        720
ggggcatttc tctggggtag ccattgacgt catttcctta gcagcaggag agcgggtgag        780
aattcccagg agacctcagc ctgggtgggc gcttggtgga aagtgggctc agatgaggtc        840
ttcagatggc agcagtaggc tctggctgct tggggtccac caggagctgg gccaggcctc        900
ctgggtcctg ctgagaagca ggtaggggag gtgacctgca gctctgtctc ccttggggat        960
ctcagttcct gttgagactc acagcctgaa gacctctgtc ctcagggtct ctcctcatca       1020
cacaagatgg ggagactgag gcccaggggt gggaagggcc agccaagtct catggggaac       1080
tcggggggttt tcaacccctg ggccatggct ctgcccaccc tgacgagccc cgggctgcct      1140
ccgttcactg ccgcttgctg gccctgtttc tggctgagca ctgggtctat acatttccgc       1200
gttgcctctc ccacggcagg gggactgcga catggcctct ccctctcccc gtgcctccct       1260
ctgccaccaa aaagctggtc agggcggagc atcccaaggg ccctgatgcc cctgaaagtc       1320
tcccttctag ggggcagccg gtccatcttc agggagctca gcacgtgtct cagcctaggc       1380
agacgcttgg                                                             1390
```

<210> 715
<211> 956
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(944)
<223> similar to gi1032389 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 715
```
cctcaaaggg ccccactgca ggattttggc tcctcaaagg tcgtgaaccc gaaaggctca         60
tccccggggg cttagtcaaa gcccccaatg gggaggggcc cccacaagaa aggctggagg        120
ggccctttag ggggtgggtt tcccctgaaa agcccgcctc tcccccaaag gaaattttcc        180
cctaaataaa aaaaacagcc ctgggcgcca aaacgcccac cttggtgtca agggttattt        240
ggggggggggg gaaaaagggg ccttttttgg gttttttttt tgagcccca aaaaaaaaag        300
aaagggaaag gggtcttacc ccaggcaagc ggccaccccc ggcaggaggg tcccccggca        360
ggagcgtccc agccactccg cagtcactcc tgacccagaa aagaacaacc acagctgggc        420
ccagcacccc gggccactcc ctgcagctgc ccacacatct ggcagctggg tccacttatg        480
caatgtggat cgggcttctt acatctgaaa tctgcgtctc tatccctcct ctgagaccag        540
tgtctcctgc cagcttccat ggccccggga tgacctcact ctcccaggt ctccctgcgt         600
cctgggagct ctggccgagg agcagcaggg gctgatggca gagcgggggc aggtcagagc        660
tcagcagatg gggtcctgaa tacacggggg atgtgggagg ggcagggggg ctggggatgc        720
ccaggatttg gcacgggggt ctctgtgtcc cacccactcc tggcacaaaa gccccagcct        780
caggaccccg gtcacaggca cccgggggtg ggggtgacca gcagcagttc agaggcaggt        840
gtgggcaatg tgggcctgag tctcctcccc actcacgtca ctgcccgcgg ggacacagcg        900
gcatttctgg ggcactcggc atgccgggtt cgctcgttcc acgcgaggcg tattga           956
```

444

```
<210> 716
<211> 1505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(1505)
<223> similar to gi1032389 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 716
atcatcatta ctccttgctt ggcacgaggc cagaaggagg gaattctgct gcggcgactt      60
gactttccag gcccggagca gaaaggcatt ggcatttgta ggcggtgacc cgccccttct     120
ctggccttgc caagagtcac atccctgccc aggggcacct ctggccctgg aacttgcctg     180
ggcagaggca gcgtgaaggg cctgaacaag aggagaagaa gggccttcct agtagaggca     240
cagcatggac aaaggctcac aggggtgggg gtgcccagtg atcgagtcct ggcttgggaa     300
ggaaggtctg agttccctag gaactgaaat ctgctagcag cactgtgaga gaggtgtatt     360
tccccctcct aatgacagag gaaactgagg cttcagggag gggtggattt gcccttgaca     420
tgcagatagg aggaggagga actgcgtgtg cccctgggcc tgcaggcccc cacacccctc     480
cccagtcttc ttcaagacct ggcatggtgg gaggagggag ggggaagtgg agaggggagc     540
atagggctcc tggggcacca agggagagag gggcccaggg gtagggaatc taggaatgtc     600
gctttccttg gagcagtacg gaaagtcaca gggaagatca ggaggatgga cagctgagat     660
gggagacagg agagatgagc cccaggaccc ctggggagcc aagctgtccc ccacatccta     720
gcctctcacc ccacctggag cttcaccaag ggctcctcag cagtgaagtg gcacaagcct     780
cccagtttgg tgggcaagtg ggggtgatct tggtgttgtg gctcctggag acacgacata     840
accaggaggg tgaagggata aacctggggt gggctggggc tgaaacccat ggcatgaccc     900
caattctctc tcctcaagct cgacccccca tccccaggat cacacaggag aatctcatcc     960
tcacggcttg gattgctcct ggggggcccc tggtgtgctg ctaactggtg tacaatgctc    1020
aggagcagcc cagaggggag ccgggaaggg accctcgccc ttaccatcta tccccatttc    1080
cgcatctctt gcactggtac cccgggcgcc acgttctcag ttcctgggac tgaaaactgc    1140
agcagtctgg ccagctccag ggacagagag gcccagccac ctactatgta ccctcctcag    1200
ctgcccactg gactcaggtc ctgaatgaag ctgtccgcct gcctcatgcc aaaagcggct    1260
ggacagtggc tgcctcatga cccttgcagt ctcccacatc cagggcctga tgacatgccc    1320
ccttgtccca agtttcttgg gaacccctga ccctgctggc ccctctcata caccccaacc    1380
ctatccaccc tggaccacct ctggggtct gtcagcctgc tggtccccc aacagatctt    1440
tggggcagc ctctatggga caagagtgac acaggctgg agaaaaggag tgaggagccc    1500
tcttg                                                                 1505


<210> 717
<211> 705
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (59)...(691)
```

445

<400> 717

```
tcttacgaat tcgccacgag atgagaccag gagtggccac atgttaggca caataggttt     60
taagccaaga atggttatga gagacaaggg aattctatac tgataaaaag tttaatccaa    120
caagaaaata taataattta aaacatatgt gcctaacaac agagcatcaa aacatatgaa    180
gtaaaaaagg atagaattaa agggagaaat agagtttcag gatgatcatt ggagacctca    240
ctacctcaat gttaataata cagagaccag atcaatagga aagagagcac ttgaacaaca    300
tgataatcca attagatcta atggtcatat gcagacacca acccaacaac agcaaaatac    360
acattctttt caagagcgtg tgggatattg tccagagtat acagtgtatt aggctgcaaa    420
acaagtatta atgtttttaaa agattgaaag tatccaaagt gctaagtatt ttataatcgt    480
catggaatga aactagacat cagtaaccag caaaactcga aaactcacaa atatatggaa    540
agtaaacaca ctcttaaaca atcactggtt gaagatgaaa tcatacagga aattagaaaa    600
cactttgaga tgaataaaaa tgaaaacaca acataccaga atttatggga tgcagttaaa    660
gcagtgctca gagggaaatg tatagctgta agcatctacc tttaa                    705
```


<210> 718
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(488)

<400> 718

```
cgaattcggc acgaggttgc acagaggaga ggcgccctaa gaatgtaagc attgtgggaa     60
agcattcata tctgccaaga tcgtttgaat acatgcaaaa cacacactgg agagaaacct    120
atgaatgtaa ggaatgcaaa caagcattca attatttttc ttccttgcat atacatgaaa    180
ggactcatac gagagagaat ccgtatgaat gtaaggattg tgggaaagca ttcagcttgc    240
ttaattgctt tcatagacat gtaaagacac accagaagga aaccctatga atgtaagcaa    300
tgtggcaaaa gctttcactt cttccagttc ttttcaatat catgaaagga ctcacactgg    360
ggagaaaccg tatcaatgta agcaatgtgg gaaagccgtc agatcagcct caagacttca    420
aatgcatgga agcactcaca cttggcagaa actctatgaa tgtaagcagt atgggaaagc    480
cttcagatcg gctaggattc tttgaataca ataatgaat gtaaacaatt aactgtttat     540
aataactgta tactaacaaa tgttattctt tttaaataat taagaagcta taataaaata    600
tccattggtg tcatgtatta gatccaa                                        627
```


<210> 719
<211> 716

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (194)...(620)
<223> similar to gi4972116 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 719
tggcaacaga gcgagactcc atctcaaaat aaataataaa ataaaatggt ttcctcctgt   60
tttcagtaga gatggagatg aatccatccc ttttttccta tagtaattcc atccattctg   120
tcaggaggaa taggtattgg aagcctgttg agcatccagg ggatcaaggg gtgttagaca   180
agtggattct tatctttctc ccttctgttc tttctcctta ggaccagctt tatccaggga   240
ctctaccatt cccacccctt tggccccact ccacgacaac cacttcccca tcttctcctc   300
tattctggtc tcccctgccc ccacgccttc ccacccagcg tcttccccag gttcccccac   360
tacctctccc tcagatccag gccctcagct cagcatgggt ggttctccct ccaggaaagg   420
gggaggaggg accaggacct gagttgcata gcggctgcct ggatgggctt agaagccttt   480
ttgagggacc tccctgcccc tatcctgggg cttggatacc tttccaagtc cctggaactg   540
cccacccttc ccctgccacc ccgtcaggag atcctagtat ggaggaacat ctgtctgtca   600
tgtatgagag actgagacaa gagcttccca agctcttact tcagtcccac gactacagtc   660
tgtattcctt ggatgtggaa ttcatcgaat gagagcctta acatacgtac caaggg   716

<210> 720
<211> 1139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(1137)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 720
gggaaatctt cccagtgggc agaacttcaa gcagtgtacc tggttgtgca ctttgagtgg   60
aaggagaaat gaccagatgt gtgattgtat tcagattcac gggctgtagc cagtggcttg   120
gctggatggt ccgggacttg gaagaagcat gattggaaaa ttggtgatga agaaatttgg   180
ggaacaggta tgtggatgga cctctttaag tggtcaaaaa ctgtgaagat atttgcatct   240
cacgtgagtg ctcaccaacg ggtgatccca gcagaggagg attttaataa tcaagtggat   300
aggatgaccc gttctgtgga caccttcagc ctctttcccc agccacttct gtcatcatgc   360
aatgcgcctg tgaacaaaat ggccatagtg gcagggatgg agtttatgca tgggctcagc   420
aacatggact tccactcacc aaggctgacc tggctacggc cactgctgag tgcccagttt   480
gtcaagcagc agagactaac accaagccct tcgatattgg gcaccattcc ttggtgtgat   540
cagccagcta cctggtggca ggttgattat attggacttc ttccatcatg gaaacggcag   600
tggtttgtcc tcactggaat agacacttac tccggatatg ggtttgccta tcctgcacga   660
aatgcttctg ccaagactac catccgtgga gtctcggaat gccttatcca ccatcatggt   720

```
attccacaca gcactgcctc tgaccaaggc actcacttta cagctaaaga ggtgtggcag      780
tgggcttatg ctcatggaat tcactggtct taccatgttc tccatcatcc tgaagaggct      840
gcaaagaacg gtggaatggc cttttgaagt cacaattaca atgccaacta ggtgacaaca      900
ctttgcaggg ctgaggcaaa gttctccagc aggccgtata tgttctgaat tagcatccaa      960
tatacggtac tgtttctccc atagccagga ttcacggtcc aggaatcaag gggtgaaact     1020
gaactgacac cactcaccat caccccctagt gatcccctag caaaattttt gcttcctgtt     1080
cccccgacat tacattctgc tggcctggag atcttagttc cagagggaga aatacgaaa      1139
```

<210> 721
<211> 1112
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (69)...(960)
<223> similar to gi5305335 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 721
```
cccgatggcc gtaaagcatg gggtggggggg gtgcctgcct gcattgcagc tgtcagagct       60
gcacagagcc tgcgacaccc agccatggct tctgcccacc aggccacgtc cctccgctcc      120
tctgaatcct tccagttctt cttaggccac ttaaacgcca ccgtctccac gaagtcctgt      180
cggatcaccc tcataggaag tgacaaacca cgtttgaac ccctctcccc acccagcaag       240
cccctagccc gcgagcatag gatttccttt ctagaacacg tgttctgtga agggccagag      300
gcaatatttg aggcctcgtg ggccacatgc tgtccctgtt gcatatcctt ttttttgttt      360
ggtttggtaa actgcttaag ctggcagaac aacagaaccc gcacattctc cacgcagccc      420
agcgcccttg gccatgcagg gctgtgcctt ctgccagctc tggaggccca ggggctggca      480
tgggcctccc gtcctgagcc ccccatgtac attgcaccca tactgggaac gcccccagga      540
tctgctgcga gacccccaag gaccagcttc tgcagtcctg gaagggctct cctgaccccc      600
aagtccgcca tcttctgatg gtggcaggtg ggcacagtca ctggctgagc gaccaagggt      660
cagtgagatt actaggccgg cgctgcaccc aactgaaatg aactcacgtg tcctcacaac      720
tcctagcagc agatgctgtc ggcctcgcat cctacaggaa aggaaccatc gccaaaagac      780
gctgaggaac atcccgaggg tcacagggac agtgcagagc caggaccagc ccggcccatg      840
gtcccccagc gtgcaccacc tggcccggca ctgtgtgctc agccatgagg actgggaaga      900
gtcctgccca cagctcaagt gtctacaccg cactgccatc caggctgtga gccgctgctg      960
agcatgggga atgtggctgc tgcagagacg ttatgaaaca cttctaaaag aatgtaaaag     1020
atctcattaa taattttgag tacctgttaa aatgatagta attttggatc tagtagatta     1080
aataaaacat attattaaac ttaaaaaaaa aa                                   1112
```

<210> 722
<211> 881
<212> DNA
<213> Homo sapiens

<220>
```

<221> misc_feature
<222> (10)...(681)
<223> similar to gi537432 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 722
```
gcggatgtcc ccggggcaca gcgagcggtt cctggtgacg gcccagagcc ccgggacccc        60
ctggactgtt gggcctgcgc tgttcttgta acagcccaga atctgctggg ggctgccttc       120
aatcttctcc tgctggtgct ggtgctaggg accatcttgc tacccgctgt caccatgctg       180
ggcttcggct tcctctgcca ctctcagttc ctgcgctccc aggcacccc ttgcaccgcg        240
cacctgcggg accccggttt cacggcccta ctggtcaccg gattcctgct cctcgtgccg       300
ctgctcgtgc ttgctctggc cagctaccgc cgcctctgcc tgcgcctccg cctagccgat       360
tgcctcgtgc cctacagccg agccctttat cggcgtcggc gcgccccgca gccgcggcaa       420
atccgggcct caccagggtc ccaggccgtt cccacatcag gaaaggtctg ggtctaatga       480
ccctcgagtc aagaacaacc ctgacgggct gccctcccct cttaattcgg ccccaaggac       540
ttgaagcccg gcatcttccc gaccctgccc tgcccccac ccctgcctga gcggagtcct        600
agcatcccct tgggagcagc agcgtcagtg daccccagtg ctgagaaaag ccccccacat       660
cccggaaaac ccactttcct ttcacgaacc cacatctcaa tcctgaacat ctaggctgga       720
acctgcacac actccccctc agctccgtcg tgaatgggac aacaatctcg tgccctcgtt       780
ttatggtgca gcttctctag tatttctggg gctgggggc ggggctggag gggaaggagt        840
gtccacgcat caataaagat ttaacgaact gaacgcgcaa a                          881
```


<210> 723
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (264)...(514)
<223> similar to gi5578958 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 723
```
ccttaccctc catgatgtgt ccctgtgtgt gtgtctacag acagggaaat aggggtgaag        60
atgaaaagtt gaagcagtga tacagcctgg tcagaagttg ttgtttgtgt ccgtgtggaa       120
catgcctggg gaagtaggaa aagagcaaag agggacaaaa atgtctgtag ttgtatactt       180
gtatatgtaa gcacatagag ggggagaagg accataaaga atgtgtggtg aagcactctg       240
gtggagaggg gctcatgaga agtgataccg agagcagtga agctggagat cctgagagag       300
cccacctgtg ctaagtgggg tgggtggatg gacagggtga gcaggcctgt gcaccagtcg       360
gagaaccagc tcatcagccc agtcttgcca cttccctttg cccacagaag acgtgcgatg       420
ggacacatta tccctatgcc gaatgccatg tcagaccgag gacccagcag agctcatgct       480
ggagaattat gacaccatgt atctttggga cc                                    512
```


449

<210> 724
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (150)...(402)
<223> similar to gi804810 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 724
cccagaatct aatcaatgcc acgtccacat gaattcccaa ggcacatcac ctgaatctct   60
ctagtggtct tcgctataca ctgacttacc cgttcctatt tacaacttat ggcccttgct   120
gaattattgg cattttaaag tagtgactag tcctagccac agcacccaga caagagaaag   180
aaaaaaaggc atccaaattg attaagagga agtcaaactt gctgttcgcc gatgatataa   240
tcatatacct agaaagccct aaagacttac ccaaaaagcc cctagatctg acaaataaat   300
tcagtaaagt ttcaagatac aaaattaatg tacacaaatc agtagcattg ctatatacca   360
ccatcggcta agctgagaat caaatcaaga actcaacctc tt   402

<210> 725
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(355)
<223> similar to gi2981631 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 725
aagaaaggac agaagccata tgatcatctc aatatatgca ggagaagcat ttgataaaat   60
ccagccccct ttcttgactt aaaacgttca acaaactagg aatagaagag aatttcaacc   120
tgataaagga catctatgaa aaacctacaa gtaacaccat actcagtggt gaaatacagg   180
aataaggatg ttttttctta ccacttctgt ttaacattgt actggagatt ttagccaggc   240
agttaggcaa gaaaaataag caaaaggcat ccaggttaga aaggaagacg tgaaactatt   300
tctaagggat gttatctggt ttatagaaaa tccataggaa tctactaaaa aacagaacag   360
aagaaaacac taag   374

<210> 726
<211> 640

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(641)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (640)...(25)
<223> similar to gi37193 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 726
gtgttgaaaa agacaaatac taacatgctg catctttcat cagaacagaa tctgaagcct   60
cactgggtgg accaattcct gctctgtttt ctgcactgac acggaattcg taggtgcttc   120
cttcttgcag tcctgttact ttgcacctga gatcggaaac tggtgttttt attgctctca   180
cccatcgcag gcttttcttt tctctccttt ctacatgata tcctgtaatt tcgctgccac   240
catcatccac tggccttttc cagctgacag tggcagtgtt cttagtgaca tttgatacct   300
ctggtttttc aggagggcca gggggacctg aaaaggaagc aaatttatta gaaatccatg   360
atttcctaaa ctctgctata aatgtttcca tgtcaattcc ctcacatgct ctacatacca   420
aatctgtcta ccattttgac aggatcagac tgtacaggtt ctcctttgcc atagtggttt   480
acagctgaga cccggaagat gtactcattt ccttggataa gtttggttgc cacatgcctg   540
caagactgaa tatcttcaga aaccactgtc cacaaaagtc ggctggtttc tctcttttca   600
agtatatagg acttaattgg ngagccgcca tcttccaagg   640

<210> 727
<211> 454
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(333)
<223> similar to gi3282747 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 727
gaggaaaagg cacaggctaa cctctcccct tctccagtat ctcagattca gctgggcagc   60
tggcagtcac agaggtagca acaaggcctc tggtccagga cttactgaac catgatgtaa   120
gtagagtttg ggtggactta gcttggggta gccagacatg cttcagaagc agaccctgtg   180
caaaatcttc cttctggtct tgagcaacca tacctatctc tggctgcttt aggactgcta   240
catcctggac caaagtggaa ccaaaatcta cgtgtggaaa ggaaaaggag ccacaaaggc   300
tgaaaaacag gcagccatgt ctaaagcgct ggtaggagct acagatgtgc aatactgttc   360
aaataattct gctaagagca cttcaggtgt gtcactccac agagccatgc taggtatttg   420
agcatataac attgtgctta cgtacacgga ctgc   454

451

<210> 728
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(361)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 728
ttggagggct ggggcaaaat tctccagaag gccttgtatg ctgctgaatc aacattcagt   60
atatgttact ttctcccatt gccaggattc aaggttcctg aaatcaaggg gtggaagtga   120
aagtggcaca actcaacatc acccttagtg atccactagc aaaaattttg cttcctcttc   180
ctgcaacatt acgttctgct ggcctagagg tcttggttcc aaagggagga atgctgccac   240
caggagacac aacaatgatt ccattaaact ggaagttaag tttgccacct ggacactttg   300
agctcctcct acctttaagt caaaaggcta agaagggact tatagtgttg ctggagg   358

<210> 729
<211> 718
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(703)
<223> similar to gi915208 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 729
cagctgtggt gtcctctaca ccatctgtgg tcatgtgaac agtagcacaa ggtgtatcta   60
catcagcaat caaaatggca tcaaccagac ttccttcccc caaaagctta gtgagtgccc   120
caactcagat tcttgcacag ttccctaaac aacatcaaca gtctcctaag cagcagttat   180
atcaagtgca acagcagaca cagcaacaag tggcccagcc ttctccagta tctcatcagc   240
aacagcctca gcagtctcct ttgccacctg gtattaaacc taccatccaa atcaaacagg   300
agtcaggtgt taaaatcatc acacaacagg ttcaaccaag taaaatctta cccaaaccag   360
tgacagcaac tctacccacc agtagcaatt cccctattat ggtggttagc agtaatggtg   420
caattatgac aactaaactg gtaaccactc ctactggcac acaagcaacc tatacccggc   480
caacagtgag cccatccatt ggtcggatgg ctgcaacccc tggagctgca acctatgtga   540
aaactacgag tggtagcatc attacagtag tacccaaatc attagctacc ttgggggggca   600
agataattag cagtaatata gtttctggaa cgactaccaa aatcactaca atcccaatga   660

452

```
<210> 730
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(251)
<223> similar to gi7042 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 730
tcaacacCCa ctggtgtaag gtcataacgc attggtgtca ggtcatcacg cactggtgcc      60
aggtcatcgt gcactggtgt caggtcattg cgcgctggtg tcaggtcatg atgcactggt     120
gtcaggtcat caagcactgg tgccaggtca tcacacactg gtgtcaggtc atcacgcact     180
ggttccaggt catcacgcac aggtcttcac acactggtgc caggtcatca cacactggtg     240
ccaggtcatg cactcaggct tgggcgggat gggggcagca ctcccttttg agtccaggtg     300
gcctggctct ggaattcatg ctctaaaatc ccaag                                335
```

```
<210> 731
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(305)
<223> similar to gi3170252 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 731
gtatctattg tccgtcgctg tacaacgtgc gagactggca aaaacctggc gataggcatc      60
atatgcggat tgaactgtag actcacctgg ggactcacct ggggactcac ctggtgactc     120
acatggggac ccacctgggg actcacctgg ggaccacctg gggactcacc tggggactca     180
cctggtgact cacctgggga cccacctggg gatccacctg gggacccacc tggggactca     240
cctggggacc ctcctggaaa ctcacctgtg ggtgcagggg cttcactggc tccagcacct     300
cctgtctcag gggcggaggg ggcctgtctg tccgcttctg ggatttcatc tccactgtca     360
aaatcgaact gttctccctc ttcctcttca ttattattgg tatcatattt catttcattt     420
tctaaaaaga aaagccaaac ccacatcaag gagagat                              457
```

```
<210> 732
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(478)
<223> similar to gi1786219 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 732
ccgcctttga ggggttaatt ccggtggttc acccgacggc gtttgtccat cccagtgccg      60
tcttgattgg cgatgtgatt gtgggagccg gtgtctacat cggcccactc gcctcactgc     120
gtggtgacta cgggcggttg atcgtgcaag cgggagccaa tattcaggat ggctgcatta     180
tgcatggcta ctgcgacact gacactatcg ttggggaaaa cggccatatc gggcacggag     240
cgatcctgca tggttgtttg attggtcgcg atgcattggt cgggatgaac agcgtgatta     300
tggatggcgc ggtcattggc gaagagagca ttgttgccgc catgagcttt gtcaaagcgg     360
gctttcgcgg cgagaaacgc cagttgttga tgggtacgcc agcccgcgct gtacgcaatg     420
ttagtcaagg cgagtaactt gtggtaacgg cagggtttta ccagtcatca ggatctccgg     480
gtacggaca                                                             489




<210> 733
<211> 480
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (6)...(483)
<223> similar to gi2072964 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters


<400> 733
gatctgccag agcaattaga caagggaaaa agagtggagg actcagatga aaggaagaag      60
taaagttgca tttgcatatg atatcctctt gtatgtagaa tattctgagg aattcacagc     120
aaaactacta gactaataaa caggttgagc aaggttacag ggcacaagat cggtatacaa     180
aaatcaatta aatttctata cactagcagc aaacaacctg aaaatgagac aagaaaacaa     240
cttcatttat aatgctgtca gaaagaaaaa tacttggaga aatttttaat caaaaagtgc     300
```

454

```
aagatttata ctctaaaaac tacaagacat cattcagaga aattaaagaa tacctaaata    360
aatgggaagg cctcctatgt tcatagattg gaagatgtac tattgttnnn nnnnnnncag    420
tccccaattg gatttgcaga ttcaacataa tccctattta aatttttgct gccttttttt    480
```

```
        <210> 734
        <211> 291
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (244)...(291)
        <223> similar to gi4206763 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 734
tatgtagggg ccacaccagt gaccagacac ctcccaccac aacaatgacc agacacctcc     60
caccacacca gtgaccacac acctcccacc acaccagtga ccacacacct cccaccacac    120
cggtgaccag acacctccca ccacaccggt gaccagacac ctcctaccac aatgaccaga    180
cacctcccac cacaccagtg acccagacac ctcccatcac accagtgacc cagacgcctc    240
ccaccacacc agtgaccaga cacctcccac taggccggca ccaacactgg c            291
```

```
        <210> 735
        <211> 888
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (39)...(788)
        <223> similar to gi5921144 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters
```

```
        <400> 735
tcttacagac tggaacctac ctttggcttt tatgaaaaag aggctctgtg agaaaattga     60
aggctccaaa tccttagctc agagctggag gatgaaggat cggatgaaca cagtcagtgt    120
tgccttagtt ttgtgcctga atgttggtgt ggaccctccc gatgtggtga agaccacgcc    180
ctgtgcacgc ttggaatgct ggatcgatcc tctgtcgatg ggtcctcaga aagctctggg    240
aaccatcggt gcaaatttac agaagcagta cgagaactgg cagccaaggg cccggtacaa    300
gcagagcctt gacccaactg tggatgaagt caagaagctc tgcacgtcct tacgtcgcaa    360
cgccaaggag gagcgagtcc tctttcacta caatggccac ggggtgcccc ggcccacagt    420
caacggggag gtctgggtct tcaacaagaa ctacacgcag tacatccctc tgtccatata    480
tgacctgcag acgtggatgg gcagcccgtc gatcttcgtc tacgactgct ccaatgctgg    540
```

455

```
cttgatcgtc aagtccttca agcagttcgc actacagcgg gagcaggagc tggaggtagc      600
tgcaatcaac ccaaatcacc ctcttgctca gatgcctttg cctccgtcga tgaaaaactg      660
catccagctg gcagcctgcg aggccaccga gctgctgccc atgatccccg acctcccggc      720
tgacctattc acctcctgcc tcaccacccc catcaagatc gccctgcgct ggttttgcat      780
gcagaaatgt gtcagtctgg tgcctggcgt cacactggat ttgatagaaa agtaagtagg      840
attttttaagc tcttggggct ctctggatct gatgagtttc ttttcctt                  888
```

<210> 736
<211> 1207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (581)...(1118)
<223> similar to gi5123896 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 736

```
cccacgcgtc cgctcaaaca tggccgccac ggcgcctctg gaagggaacc gctctgggcc       60
ccgcctttga tctcgttggt ggggctgggg gatgagagct gcaccgcgcg ggacaagtcg      120
ccggcggcgc ccgacggagc agaagagaga gcatggagct ggagaggatc gtcagtgcag      180
ccctccttgc ctttgtccag acacacctcc cggaggccga cctcagtggc ttggatgagg      240
tcatcttctc ctatgtgctt ggggtcctgg aggacctggg cccctcgggc ccatcagagg      300
agaacttcga tatggaggct ttcactgaga tgatggaggc ctatgtgcct ggcttcgccc      360
acatccccag gggcacaata ggggacatga tgcagaagct ctcagggcag ctgagcgatg      420
ccaggaacaa agagaacctg caaccgcaga gctctggtgt ccaaggtcag gtgcccatct      480
ccccagagcc cctgcagcgg cccgaaatgc tcaaagaaga gactaggtct tcggctgctg      540
ctgctgcaga cacccaagat gaggcaactg gcgctgagga ggagcttctg ccaggggtgg      600
atgtactcct ggaggtgttc cctacctgtt cggtggagca ggcccagtgg gtgctggcca      660
aagctcgggg ggacttggaa gaagctgtgc agatgctggt agagggaaag gaagaggggc      720
ctgcagcctg ggagggcccc aaccaggacc tgcccagacg cctcagaggc ccccaaaagg      780
atgagctgaa gtccttcatc ctgcagaagt acatgatggt ggatagcgca gaggatcaga      840
agattcaccg gcccatggct cccaaggagg cccccaagaa gctgatccga tacatcgaca      900
accaggtagt gagcaccaaa ggggagcgat tcaaagatgt gcggaaccct gaggccgagg      960
agatgaaggc cacatacatc aacctcaagc cagccagaaa gtaccgcttc cattgaggca     1020
ctcgccggac tctgcccgag ccttctaggc tcagatccca gagggatgca ggagccctat     1080
acccctacac agggcccccc taactcctgt cccccttctc tactcctttg ctccatagtg     1140
ttaacctact ctcggagctg cctccatggg cacagtaaag gtggcccaag gaaggtgaaa     1200
aaaaaaa                                                               1207
```


<210> 737
<211> 524
<212> DNA
<213> Homo sapiens
```
```

456

<220>
<221> misc_feature
<222> (6)...(522)
<223> similar to gi28969 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

        <400> 737
atttcatcac aggtaaaggg attgtggcca tcttgaggtg tctccagttt aatgagacgc   60
taactgagct tcggtttcac aatcagaggc acatgttggg tcaccatgct gaaatggaaa   120
tagccaggct tttgaaggca aacaacactc tcctgaagat gggctaccat tttgagcttc   180
cgggtcccag aatggtggtc actaatctgc tcaccaggaa tcaggataaa caaaggcaga   240
aacgacagga agagcaaaaa cagcagcaac tcaaggaaca gaagaagctg atagccatgt   300
tagagaatgg gttggggctg ccccctggga tgtgggagct gttgggagga cccaagccag   360
attccagaat gcaggaattc ttccagccac cgccacctcg gcctcccaac ccccaaaatg   420
tcccctttag tcaacgcagt gaaatgatga aaaagccatc gcaggccccg aagtacagga   480
cagaccctga ctccttccgg gtggtgaagc tgaagagaat ccag   524

        <210> 738
        <211> 623
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(624)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (68)...(623)
        <223> similar to gi2072972 in the genepept database release 114,
            Run with FASTXY 3.3t00, default parameters

        <400> 738
aaagaaacag aagtctcgaa cagagcaaca atgtataaag tatataataa gattgaatta   60
ctaataaaac aagctaccaa ccatagaaag ccctggataa gatgagttca cagccacatt   120
ttatcacata tacaaagata acctggtatt aattctactg agtgtattcc aaaaatcaag   180
gtggaagtcc ttcctaaatt atttgaaaac attattatct tggtagtaaa acctagtgaa   240
gacacaacaa aaaggaaaa ttaccggtca ctattcttgg tgaaaattga aacaaaaatt   300 -
catgaagtac tagcaagttg agttcataag caaagcaaaa agttactttg ccacaatcat   360
gtaaacttca ttgtatgaat gcaaagatgt ttcatcatat acaagtaaat aaatgtgatt   420
caccatgtaa agataatttt taaaaaacaa ttatcacatg cagaaaaggc attcaagaaa   480
atctaatatt catttataaa aacattctca acaaactaag cactggagaa atatgcctgn   540
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn   600
nnnntaaggt ctccatcaga ata   623

<210> 739
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(406)
<223> similar to gi530878 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 739
tttttggccgc agagccttcc tgcaagcctg cttccttcac cttcttttac atcttcatac   60
cttccagagg caccagcccc acccttttgcc aaaaccgctc ctgccaaggc ccccatgacc   120
tgcgtgcgga gaaacccccac ctctatcact acagtcaggt ttctgcctgc agggtcccca   180
cctcgatcag tgagtctccc ttagctcctc acaaagcccc agcttctgta agaccctttc   240
tctgactccc actcccctcc ctgagatccc atgaccaccc caggtgctgc ccctagagcc   300
aagcctccat cctcgcatta agcctccagc ctgtcactga cccccattcc cccaacaagt   360
ccttgagctc cagcctgtca catcccagtc cctgcctgtg tccgtgac   408

<210> 740
<211> 2219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (795)...(648)
<223> similar to gi557822 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 740
cgggcggtcg ggcgggaacg cagtgttgtt ggagagcggg ggcccggctt cgcggcattt   60
cgccctctcc ggcccttccg gaggctccgg gtttgtgccg tgtgcgtgcg gggctcggcg   120
ctggggcgct cggtaggtct cccgcgggga ggaggcggcg ggggcccccgt gtttcttcct   180
ccccggcccc ccacccgcgc cgtgtcttat gtcgctgcct tctcttcctg ttttttcagct   240
gtcacgaccg gaggggggac tcgcagcctt accaggcact taagtattca tcgaagagtc   300
accccagtag cggtgatcac agacatgaaa agatgcgaga cgccggagat ccttcaccac   360
caaataaaat gttgcggaga tctgatagtc ctgaaaacaa atacagtgac agcacaggtc   420
acagtaaggc caaaaatgtg catactcaca gagttagaga gagggatggt gggaccagtt   480
actctccaca agaaaattca cacaaccaca gtgctcttca tagttcaaat ttcacattct   540
ttctaattcc aagcaattaa ccccaaggca aaactttcag gattgcacct tatgattctg   600
gcagatgact gggtctggag catattagct cttctgggga aaagtactac tacaattgtc   660
gaacagaagt ttcacaatgg ggaaaaaccc caaagagtgg cttggaaaga ggacagagac   720

```
aaaaagaagc aaacaagatg gcagtcaaca gcttcccaaa agatagggat tacagaagag    780
aggtgatgca agcaacagcc actagtgggt ttgccagtgg aaaatctaca tcaggagaca    840
aacccgtatc acattcttgc acaactcctt ccacgtcttc tgcctctgga ctgaaccccc    900
catctgcacc tccaacatct gcttcagcgg gtccctgttt ctccgtgttc cacagctcgc    960
caatacctcc cttacttcag gacccaaatc ttcttagaca attgctgtcc tgctttggaa   1020
gccacgctgc agcttaataa ttctaatgtg gacataatct ataataaatg aagttcttac   1080
aggagatgtg acacaagcct cactgcagac tataattcat aagtgtctta ctgctggacc   1140
atctgttttc aaaataacgt ctctgatttc tcaagctgct cagctctcta cacaagccca   1200
ggcatctaat cagtctccga tgtctttaac atctgatgcg tcatccccaa ggatcatatg   1260
tttctccaag gaataaggca cacctcaaac ttaacacagt ccctattcaa acctttggat   1320
tcagtactcc tcctgtttca tcacagccaa aggttagtac tccagtagtt aagcaaggac   1380
cagtgtcaca gtcagccaca cagcagcctg taactgctga caagcagcaa ggtcatgaac   1440
ctgtctctcc tcgaagtctt cagcgctcaa gtagccagag aagtccatca cctggtccca   1500
atcatacttc taatagtagt aatgcatcaa atgcaacagt tgtaccacag aattcttctg   1560
cccgatccac gtgttcatta acgcctgcac tagcagcaca cttcagtgaa aatctcataa   1620
aacacgttca aggatggcct gcagatcatg cagagaagca ggcatcaaga ttacgcgaag   1680
aagcgcataa catgggaact attcacatgt ccgaaatttg tactgaatta aaaaatttaa   1740
gatctttagt ccgagtatgt gaaattcaag caactttgcg agagcaaagg atactatttt   1800
tgagacaaca aattaaggaa cttgaaaagc taaaaaatca gaattccttc atggtgtgaa   1860
gatgtgaata attgcacatg gttttgagaa caggaactgt aaatctgttg cccaatctta   1920
acatttttga gctgcattta agtagacttt ggaccgttaa gctgggcaaa ggaaatgaca   1980
aggggacggg gtctgtgaga gtcaattcag gggaaagata caagattgat ttgtaaaacc   2040
cttgaaatgt agatttcttg tagatgtatc cttcacgttg taaatatgtt ttgtagagtg   2100
aagccatggg aagccatgtg taacagagct tagacatcca aaactaatca atgctgaggt   2160
ggctaaatac ctagcctttt acatgtaaac ctgtctgcaa aattagcttt tttaaaaaa    2219
```

<210> 741
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> similar to gi4929683 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```
<400> 741
ccgtgggaaa ctgttacaac agctgcaatg cagaaatatc caagccctgt gaacccgagc     60
gtggtgtggg ttgacgtgtt aaacagacgt atagatccct ccagagagtt gcacagactt    120
ctccgcacag tgggaactgc aaaactctta ctggtgcagc aaaacgcaaa acatatatac    180
tagaatattc tgtagttaat cctgtagaga aaacaatgga acttaaatct actaatattt    240
cacttacaaa tatgatttca gtagatgaga gatttataca caaaccacat catcgggacc    300
ccccaaaaaa ctattttgac tcaagaagcc ataatcactg aagagaggta gcctcagcag    360
ttaccttgaa ggactgatgg caagaactat accttcaaat gct                     403
```

459

```
<210> 742
<211> 850
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(849)
<223> similar to gi3834629 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters




    <400> 742
cgtccgtaga ggcccagaat tcggcacgag gaagaaagca tccttgaaga agttttagaa      60
gctttaactt cagctggtga agaaaaaaaa attgacagat ttttttgtat tgtggaaggc     120
ctccggcaca attcagttca actgcaagta gcttgtatgc agctcatcaa tgccctggtt     180
acatctcctg atgatttgga tttcaggctt cacatcagaa atgaatttat gcgttgtgga     240
ttgaaagaga tattgccaaa tttaaaatgc attaagaatg atggcctgga tatccaactt     300
aaagtctttg atgagcataa agaagaagat ttgtttgagt tatcccatcg ccttgaagat     360
attagagctg aacttgatga agcatatgat gtttacaaca tggtgtggag cacagttaaa     420
gaaactagag cagagggata ttttattttct attcttcagc atcttttgct gattcgaaat     480
gattatttta taaggcaaca atacttcaaa ttaattgatg agtgtgtatc ccagattgta     540
ttgcatagag atggaatgga tccagacttc acatatcgaa aaagactaga tttagattta     600
acccagtttg tagacatttg catagatcaa gcaaaactag aagagtttga agagaaagca     660
tcagaacttt acaagaaatt tgaaaaagag tttaccgacc accaagaaac tcaggctgaa     720
ttgcagaaaa aagaggcaaa gattaatgag cttcaagcag agctacaagc ttttaagtct     780
cagtttggtg ccttgccagc tgattgtaat attccttttg cctccctcta aagaaggtgg     840
aactggccac                                                           850




        <210> 743
        <211> 775
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (26)...(775)
        <223> similar to gi1872200 in the genepept database release 114,
              Run with FASTXY 3.3t00, default parameters




        <400> 743
ctcctgcccc agcctcccaa gtagctgcga ccacaggcac gtgccaccat gcctggctaa      60
ttttttttt ctgagacagt gtttcactct tgttgcccag gctgcagtgc aatggcgcga     120
cctcggctca ttgcaacctc tgcctcccag gttcaagcga ttctcctatc tcagccttcc     180
aagtagctgg gattacaggc atgagccact atgccccact ttgcccggct aattttgtat     240
ttttagtaga gatggggttt ccccgtgttg gtcagcctgg tctcaaactc ctgacctcag     300
gtgatccacc cgacttgacc tgccaaagtg ctgggattac aggcgtgagc cactgcaccc     360
gccagccatg tcttttcatg tctccagctc tggtgcggct gaagggtgtg ggcaggtgga     420
```

460

```
cctcagccgg cccatctgcc cagcgaggat gtgaattcct gcctgagtgc ctgtgagtac    480
cccacgagaa ggatgggcta cctcttgggt gagacaggtg gatgcatcta taaccccccga    540
ggccggaagg tccccactca aagcccagtg cctccccgtc ccctgggccc acatcccaga    600
gtagacggcc ctgccagaca gagggggtgag ggccacagag atgagtgccg gagtccaaat    660
cggtgcaact ttaccacgag tgagatctgg ttggccgatg ccactgaatc cgggttagag    720
gacgaggaag aggaagacga ggaggaagag gagacggaat ttccttccga gaccc         775
```

<210> 744
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(341)
<223> similar to gi310200 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 744
```
aatgacgggc cagctgccaa cagcatctcc gtcaggaccc ccaccaaggg ccccaacgac    60
caccgggtcg ttcaaaccca cagccgccaa tccagcctcc gccactaggg gcaccactgc    120
tgcggtcagt acagaccgct acaaccacaa atgccgcaac cacgaccccg tctaggatca    180
gatacacagc cggggaggcc agcaccgccc cccaacacaa ggcaatggcg ggtgctacag    240
ccagcgccac cagcagcagt gccgccgccg cagccactac tccagccccc agcgcgcctg    300
ccaccaaagc cacgccaagc atggccgcag tcgcccccgc                          340
```

<210> 745
<211> 356
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (105)...(300)
<223> similar to gi5231133 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 745
```
cgctagagga agaagatggc tgaaggcgga gcggtggatc tggacaccca gcggtctgac    60
atcgcgacgc tgctcaaaac ctagatccgg aaaggggaca cctggtggtt gaacagggta    120
tgtttgtaaa gcactgcaaa gtagaagtat atctcacaga attgaagcta tgtgaaaatg    180
gaatcatgaa taaagtcgaa actcgaatat ttatcatagc tgacacaata ggtattagtg    240
atagaacaga tttatgaaga tggaacatgg ccaaggggtc cttctactcc taagactgct    300
```

gcagtttgat ggaggcctac tccataccct gttagcctgg ttattaccag tggagg   356

<210> 746
<211> 994
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (264)...(995)
<223> similar to gi3877428 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 746
agagaattca aacactacca aatcagaatc agtcgcaaac ccagccatta ctgaagactc   60
ctcctgctgt acttcagcca attgcaccac agacaacatt tggtgttcag actcagcccc   120
agccccagtc actgctgcag gcacagattt cagcagcttc tattacacca ctattgcaga   180
ctcaaccaca gcccttatta cagcagcctc agcaaaaagc tggtttattg cagcctcctg   240
ttcgtatagt ttcacagcca caaccggcac gacgattaga tcccccatcc cgattttcag   300
gaagaaatga cagaggggat caagtgccta acagaaaaga tgatcgaagt cgtgagagag   360
agagagaaag acgtagatcg agagaaagat cacctcagag gaaacgttcc cgggaaagat   420
ctccacgaag agagcgagag cgatcacctc ggagagttcg acgtgttgtt ccacgttaca   480
cagttcagtt ttcaaagttt tctttagatt gtcccagttg tgacatgatg gaactaaggc   540
gccgttatca aaatttgtat atacctagtg acttttttga tgctcaattt acatgggtgg   600
atgctttccc tttgtcaaga ccatttcagc tgggaaatta ctgcaatttt tatgtaatgc   660
acagagaagt agagtcctta gaaaaaaata tggccattct tgatccacca gatgctgacc   720
acttatacag tgcaaaggta atgctgatgg ctagccctag tatggaagat ttatatcata   780
agtcatgtgc tcttgctgag gacccacaag aacttcgaga tggattccaa catcctgcta   840
gacttgttaa gtttttagtg ggcatgaaag gcaaggatga agctatggcc attggaggcc   900
actggtctcc ttcgttggat ggaccagacc cagaaaaaga tccctctgtg ttgattaaga   960
ctggctattc gttgttgtaa ggctctgaca ggca   994

<210> 747
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(358)
<223> similar to gi439877 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 747
gatgaagtta gacctctacc tcacatcatg tgcaaaaatt aacttgaaat gtatcaaatg      60
tctaaaggta agagctaaag ctataaaacc ttcagggaaa ctataggaat aagtcttcaa     120
aactttagat ttggcaatga ttttttagct ataccgccaa aagcaccaat aacaaaagaa     180
aaaataaatt ggacttccct ggaattaaaa aattttgcat caaagtgcac aattcagaac     240
ttgaaaagcc aacttacgga gtgggaggaa atatttccaa atcaattatc taaaaactgc     300
taatatccaa tacatataaa ggactcttaa aaacaacaaa agacaaccca atttttaa       358




<210> 748
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (127)...(401)
<223> similar to gi2197069 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters




<400> 748
cttgcgctgt ggactcattc aggccacaga ctgcttttgg tttgactggc ttctacagtg      60
tcagacagat agatgcttca cagtgacttt ttggtgaaca accctactag gatacacgtg     120
atgttcatgt ccctgtgttc cacgtgccat gcagtgtgga cctctgtgat gtctacctgt     180
gccgatgtca ggccggcttt tctgagaggc actgtgacca cctcgtggac gactgcgcct     240
cctacccgtg cgcgcacgca ggcacctgcc tcgatgttga taccgacttc tcctgcacct     300
gcccgcctgg ctacacgggc aggaactgca gggcccccgt cagcaggtgc gatacacgca     360
ccctgtcaaa atgtggccac ctgtcacgag aggggccacg                          400




<210> 749
<211> 933
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(934)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (19)...(556)
<223> similar to gi1747519 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

<400> 749
```
ggccgctggt ccggaggtag cggtgccggc cgaggggtc ggggcggctg gggcggtcgg      60
ggccggcgtc ctcgggccca gcggtctcca tcccgggggca cgctggacgt agtgtctgtg     120
gacttggtca ccgacagcga tgaggaaatt ctggaggtcg ccaccgctcg cggtgccgcg     180
gacgaggttg aggtggagcc cccggagccc ccggggccgg tcgcgtcccg ggataacagc     240
aacagtgaca gcgaagggga ggacaggcgg cccgcaggac ccccgcggga gccggtcagg     300
cggcggcggc ggctggtgcc tggatccggg ggaggcgccg cctggttccg gtgtactcgg     360
ggaaggttta aaagcagcct tcgccttatc ccagatgatc tatccctcct gaaactctac     420
cctccagggg atgaggaaga ggcagagctg gcagattcga gtggtctcta ccatgagggc     480
tccccatcac caggctctcc ctggaagaca aagctgagga ctaaggataa agaagagaag     540
aaaaagacag agtttctgtg agtgagnccc agggcccttg ggccctgggg agcaggaaag     600
tgagttggag gggtaagcgg aggcaggcag gactcttggg tgactcctga aaggttaaga     660
agaagggata gaaggactgt tgagtttcat gtggggaatg aatcgcttgg ggaaaagagg     720
tggcttaccc cggagggtga cagtgaaccc ttcaggatca cccttgggag tggattctga     780
gaccctagta atgtgagctt aaggtatggt tccaatccag cttccctgtc ctctctgtgc     840
ttctctttct tcatctataa aaccccgttt tatagcctgg gagacatgga gagaccctgt     900
ctctacaaaa aataaaaaaa aattagcctg gca                                  933
```

<210> 750
<211> 1606
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1601)
<223> similar to gi2370155 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 750
```
ccagcacatg acgacttcta tctcgtagtg tgcagtgcct gtaaccaggt cgtcaagcca      60
caggttttcc agtcgcactg cgagagaaga cacggttcaa tgtgtagacc ttctcccтct     120
ccagtgtctc cagcctccaa tcccaggaca tcactagtac aggtgaaaac aaaagcctgt     180
ctcagcggcc atcactctgc cagcagcacc tcaaagccat tcaaaacgcc caaagacaat     240
ctacttacct ccagcagcaa acagcacaca gtctttcctg cgaaaggatc aagggataaa     300
ccatgtgttc cagttcctgt agtcagttta gagaaaattc ctaacctagt gaaggcagat     360
ggtgccaatg tcaaaatgaa ctccacaacc actactgcag tttctgcctc ctccacctcg     420
tcctctgccg tctccacccc tcctttaatt aagcctgtcc tgatgtccaa gtcagtgcca     480
ccttcaccag agaagatctt aaatggcaaa ggaattctgc caaccaccat agacaagaga     540
cgccaaaatg gcaccaacag cagcaacaag ccttacagga gactttcaga gagagaattt     600
gacccaaata agcactgtgg agtattggat gccgagacaa agaaaccttg cacaagatcc     660
ctcacctgca agacacattc gctaagccat cggagggcag tcccaggccg gaaaaagcaa     720
tttgacctcc tcctggcaga acacaaagca aagtcccggg aaaaagaagt taaagataaa     780
gagcatctcc tgacttccac gagggaaata cttccaagcc aatccgggcc ggcacaggat     840
tctctgctag ggtcttcagg gagctctggg ccagaaccaa aagttgcatc ccctgcaaaa     900
tccagaccac ccaactctgt acttcctaga ccatcatctg caaatagcat aagcagcagc     960
acatcttcaa atcatagcgg ccacactcca gagcccccac tcccaccggt tggaggtgac    1020
ctcgccagcc gactgtccag tgatgaaggg gagatggacg gagccgacga tccgagaag    1080
ctagactgtc agttctccac gcaccacccc agacctatgg cgttttgctc atttgggagt    1140
```

464

```
cgcctcatgg gacgagggta ctatgtgttt gatagaagat gggatcgttt tcgattcgca      1200
ctaaactcca tggtagaaaa acacctgaat tcacagatgt ggaagaagat ccctcctgcg      1260
acagatagcc ccctgccctc gccagcagcc cacatcacca cccccgttcc agcatccgtt      1320
ttgcagcctt tcagcaaccc cagtgctgtg tatcttcctt cagctcccat cagctcgagg      1380
ctcacctctt cttacataat gacatcagcc atgctctcaa acgcagcttt cgtgacatcg      1440
ccggacccga gcgccctcat gtcccacacc acagctttcc ctcatgtggc cgcaaccctc      1500
agcatcatgg actcaacctt caaggcccca tccgccgtgt ccccgatacc agccgtcatc      1560
ccttccccat cccacaagcc atccaaaacc aaaaccagct acgaaa                      1606
```

<210> 751
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(411)
<223> similar to gi476332 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 751
```
tgtgtttggc cctggctggc cgggacctgg ccgactacgt ggtgaagatc ctcgaggggc       60
ccgctacagc ttcatcacca cagtgaagtg ggggattgtg cgtgacatcc aggaaaagct      120
atgctgtgtt gccttggact tgcagcagga gatggccact gccgtgtcct cttccttcct      180
ggagaagagc tacaagctct cccacagcct ggtggtcacc atcagcaatg agtggttctg      240
gtgtccagag gcgctgtccc agccctcctt cctgggcatg gaatcttgct gcatccagga      300
gaccatcttg acctccatca tgaagtgtga tgtggatatc tgcaaggacc tgtacaccaa      360
tgtggtgctg tctggcacat tgccatgcac ccaagtatca cacacaggat g               411
```

<210> 752
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(542)
<223> similar to gi2352427 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 752
```
tacaagctgg agataaggac cttgatgggc agctagactt tgaagaattt gtccattatc       60
tccaagatca tgagaagaag ctgaggctgg tgtttaagag tttggacaaa aagaatgatg      120
```

465

```
gacgcattga cgcgcaggag atcatgcagt ccctgcggga ctttgggagt caagatatct    180
gaacagcagg cagaaaaaat tctcaagagc atggataaaa acggcacgat gaccatcgac    240
tggaacgagt ggagagacta ccacctcctc caccccgtgg aaaacatccc cgagatcatc    300
ctctactgga agcattccac gatctttgat gtgggtgaga atctaacggt cccggatgag    360
ttcacagtgg aggagaggca gacggggatg tggtggagac acctggtggc aggaggtggg    420
gcaggggccg tatccagaac ctgcacggcc cccctggaca ggctcaaggt gctcatgcag    480
gtccatgcct cccgcagcaa caacatgggc atcgttggtg ccttcactcc catgattcga    540
g                                                                    541
```

```
        <400> 753
ttttttttttt ttggagttca ttagaccttt tttattattc taccttttct gcatatgttt    60
gcagttttcc caccgactcc tccataaaca aacatttttcc tagaaaccca aaatatgtag   120
tggccccaaa ggagctcctt aagccaaagt acttggtaca aagagaccca tattcctata   180
aacatgttaa gtttgttcct aagcattcca gacttttaga ataagaactt catttccaac   240
ttttttattt attaacatgg ggctaaactt ttaagaaaca accctaggtc ttctatttcc   300
caggagctgg ttcaaagtct taaatgacaa tataacttca ttatgaaaat atactgaaaa   360
ggtacaaggg gctgatgtaa aaacggttaa tcaagggttc ccaggcatcc atggggactt   420
aagggtaacc tgaaagaata accccagcc caggctgcaa ccagccaggc caggatgtgc   480
tggcttnacg tngatgaggt gctaaggccc atcgaatgcc tcagaggaaa gccggattca   540
cgggggatca tctcaaccct gaggaaatcg gttccttggg gggtgatttc ttgccctttt   600
ttttgttttt gtaaggaaga gggttccctt cattccagta actttagttt tcccttaata   660
aatattttca aaaataaaac caatcatcat ccaaacaaac agggagccac ttttgtaggg   720
taagggtaaa tcacaggata atgtattggg ataactctgt ttttttaaaa taaaaaagcc   780
ttacatggtc agggattgat ggagtgggga tgacaaatgc acatttcaga ctttcatcac   840
caatgaaaaa ataaagcatt ttcatagact taaaactgtc attagtgcat tcggcttttg   900
gagaagggat gaaaatgtaa aatacttcta caacaataaa atgttaatag aaatcgtcat   960
gtgctgaggt catttttaggt gagctaccat tgtttgttta aatacaagaa aaagtaattt  1020
ccttggtccc aatttaagtg gaaatccttt aaaaaagatt gcctttaaaa gaaccattat  1080
ttgagggaca atgttttttc cagacacatt cctggatgat attccaaatt cacttccata  1140
acaatccaca gattaaccct tttaattcca cctttcctta aaaagctgtc agatttcca   1200
tttccttcgg gagacatttt tcacccagtg tgttgttcga ttcccacagg ttaagctttc  1260
ttcattatta ttaaggaact tcataccata ttagagagat tgccattcat tgctttcctc  1320
gtcttttttcg gaaaagacac aggccagact ttgcttaggc taaagctgac gtctttaaag  1380
gcatgcaaca agaatatccc cccacaatga ttgtaaagaa gccacttcaa agtaccaatg  1440
```

```
gacatcgtca acaggcatat cttgccactc cttaaaaaga atagctgaac aagttaaaac    1500
tgatgttgta aagaatacat aatatattgg agtcacaatg gaagtgttga atatatccag    1560
ggccctattt aggtaattaa tctgtgtgct cacacagacg atgaggctca gcagcagaat    1620
ccaagccagg ggatgccgca gcacaggctt ccctgcaaac agctccttga tagcaatgcc    1680
caggcccttc acacaggaga ctgaaaacgc gccgattaca gagcagattg ttatgtacac    1740
aag                                                                  1743
```

<210> 754
<211> 670
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(460)
<223> similar to gi2388970 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 754
```
gctagattct atagatcctg ctttacgaag gcctggtcgc tttgatagag aattcctctt      60
tagcctgcct gataaagagg ctcgaaaaga gattctaaag attcacacca gggattggaa     120
tcccaaacca ctggacacat ttttagaaga gctagcagaa aactgtgttg gatactgtgg     180
agcagatatt aaatcaatat gtgctgaagc tgctttatgt gctttacgac gacgctaccc     240
acagatctat accactagtg agaaactgca gttggatctc tcttcaatta atatctcagc     300
taaggatttc gaggtagcta tgcaaaagat gataccagcc tcccaaagag ctgtgacatc     360
acctgggcag gcactgtcca ccggttgtga aaccactcct gcaaaacact gttgacaaga     420
ttttagaagc cctgcagaga gtatttccac atgcagaatt cagaacaaat aaaacattag     480
actcagatat ttcttgtcct ctgctagaaa gtgacttggc ttacagtgat gatgatgttc     540
catcagttta tgaaaatgga ctttctcaga aatcttctca taaggcaaaa gacaatttta     600
attttcttca tttgaataga aatgcttgtt accaacctat gtctttcga ccaagaatat      660
tgatagtagg                                                            670
```

<210> 755
<211> 323
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(308)
<223> similar to gi2253354 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 755

```
cgaggacaaa ccactcaact acaccaaaag gtcagaccaa gaccgcgtcg gcacgcccac      60
caccggctca gcataagcat cagcaggcag gaccaattac caaacctgga tccgccagac     120
tccaggaact ggggatggag tgggtctcag ctctttaccg cgatggtagg acattctaca     180
cagactccgt gaagggcaga ttcaccatct ccagagacga ttccaagaac atggtgtttc     240
ttcaaatgaa tagcctgcga gtcgaggaca cggctgtata ttactgtgcg agagatcgtg     300
gatatcgtgg tggtggtaat tgc                                            323
```

<210> 756
<211> 1362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(1362)
<223> similar to gi3452473 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 756

```
tttcgtgaaa cttatcaaga aacaccaggc tgctatggag aaagaggcta aagtgatgtc      60
caatgaagag aaaaaatttc agcaacatat tcaggcccaa cagaagaaag aactgaatag     120
ttttctcgag tcccagaaaa gagagtataa acttcgaaaa gagcagctta agaggagct     180
aaatgaaaac cagagtaccc ccaaaaaaga aaaacaggag tggctttcaa agcagaagga     240
gaatatacag catttccaag cagaagaaga agctaacctt cttcgacgtc aaagacaata     300
cctagagctg gaatgccgtc gcttcaagag aagaatgtta cttgggcgtc ataacttaga     360
gcaggacctt gtcagggagg agttaaacaa aagacagact cagaaggact tagagcatgc     420
catgctactc cgacagcatg aatctatgca agaactggag ttccgccacc tcaacacaat     480
tcagaagatg cgctgtgagt tgatcagatt acagcatcaa actgagctca ctaaccagct     540
ggaatataat aagcgaagag aacgagaact aagacgaaag catgtcatgg aagttcgaca     600
acagcctaag agtttgaagt ctaaagaact ccaaataaaa aagcagtttc aggatacctg     660
caaaatccaa accagacagt acaaagcatt aagaaatcac ctgctggaga ctacaccaaa     720
gagtgagcac aaagctgttc tgaaacggct caaggaggaa cagacccgga aattagctat     780
cttggctgag cagtatgatc acagcattaa tgaaatgctc tccacacaag ccctgcgttt     840
ggatgaagca caggaagcag agtgccaggt tttgaagatg cagctgcagc aggaactgga     900
gctgttgaat gcgtatcaga gcaaaatcaa gatgcaagct gaggcacaac atgatcgaga     960
gcttcgcgag cttgaacaga gggtctccct ccggagggca ctcttagaac aaaagattga    1020
agaagagatg ttggctttgc agaatgagcg cacagaacga atacgaagcc tgttggaacg    1080
tcaagccaga gagattgaag cttttgactc tgaaagcatg agactaggtt ttagtaatat    1140
ggtcctttct aatctctccc ctgaggcatt cagccacagc taccgggag cttctggttg     1200
gtcacacaac cctactgggg gtccaggacc tcactggggt catcccatgg gtggcccacc    1260
acaagcttgg ggccatccaa tgcaaggtgg accccagcca tggggtcacc cttcaaggcc    1320
caatgcaaag gggtacctcg aggagcagta tgggagtccg ct                      1362
```

<210> 757
<211> 569
```

468

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(503)
<223> similar to gi1113865 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 757
```
tatgggaagc cagtttagag aacctggaaa tcgaacctga tggaaatata ctccagctca   60
atcagacact ggaagagtgt gtgcccaggg ttaggagtgt acatcatgtc atagaggaat   120
gtaagcaaga aaaccagtac cttgagggga acacacagct cttggaaaaa gtaaaagcac   180
atgaaattgc ctggttacat ggaacaattc agacacatca agaaaggcca agagtacaga   240
atcaagttat actggaggaa aacactactc tcctaggctt tcaagacaaa cattttcagc   300
atcaggccac catagcagag ttagaactgg agaaaacaaa gttacaggag ctgactagga   360
agttgaagga gagagtcact attttagtta agcaaaaaga tgtactttct cacggagaaa   420
aggaggaaga gctgaaggca atgatgcatg acttgcagat cacgtgcagt gagatgcagc   480
aaaaagttga acttctgagg taatgtatgt accttctaga cgtcacgaat cccacagagc   540
acctcaccag atctaacttc cactgcttg   569
```


<210> 758
<211> 1488
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (407)...(1490)
<223> similar to gi5915896 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters


<400> 758
```
agggggactc ctgagggatg aagtgggcga tccagactcc tagcttccca ccgaggcact   60
aagggaatca gagtgggtca gcgagtacgg gaagtgtggt ccacgagggc tggttcctga   120
gggagaatcc acaagccccc tcccctcttc agtggatact gaagactccc tcgacgaagg   180
acccggggcc ctggtattgg agagtgattt gctactaggc caggatctgg agtttgagga   240
ggaagaggaa gaggaggaag gcgacggcaa cagtgaccag ctcatgggct tcgagagaga   300
ctcggaagga gactctctgg gggccaggcc tgggcttccc tatgggctga gcgacgatga   360
gtctgggggc ggccgggcac taagtgcgga gagtgaagtt gaggagccag ccaggggtcc   420
aggggaggcc aggggtgaga ggccaggccc agcctgccag ctgtgtgggg ggccgacagg   480
tgaggggccg tgttgtgggg caggagggcc gggtgggggg ccctgctgc ccccacggct   540
actgtactca tgccgcctct gcaccttcgt gtcccactac tcgagccacc tgaagcggca   600
catgcagaca cacagcggag agaagccgtt ccgctgtggc cgctgcccct acgcctcagc   660
ccagctcgtc aacctgacac gacatacccg cacccacact ggcgagaagc cctaccgctg   720
tccccactgc ccctttgcct gcagcagcct gggcaacctg aggcggcatc agcgtaccca   780
cgcagggccc cccactcctc cctgcccgac ctgtggcttc cgctgctgta ctccacgacc   840
```


469

```
agcccggcct cccagtccca cagagcagga ggggggcggtg ccccggcgac ctgaagatgc    900
tctgctcctt ccagatttga gcctccatgt gccaccaggt ggtgccagtt tcctgccaga    960
ctgtgggcag ctgcggggtg aaggggaggg cctctgcggg actggatcag aaccactgcc   1020
agagctgcta ttcccttgga cctgccgggg ctgtggacaa gagctggagg agggtgaggg   1080
tagtcggctg ggagctgcca tgtgtgggcg ctgcatgcga ggagaggctg gaggggtgc    1140
cagtgggggg ccccagggcc ccagtgacaa aggctttgcc tgtagcctct gccccttttgc   1200
cactcactat cccaaccacc tggcccggca catgaagaca cacagtggtg agaagcccctt   1260
ccgctgcgcc cgctgtcctt atgcctctgc tcatctggat aacctgaaac ggcaccagcg   1320
cgtccataca ggagagaagc cctacaagtg cccccctctgc ccttatgcct gtggcaatct   1380
ggccaacctc aagcgtcatg gtcgcatcca ctctggtgac aaaccttttc ggtgtagcct   1440
ttgcaactac agctgcaacc agagcatgaa cctcatacgt cacatgcc               1488
```

<210> 759
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)...(419)
<223> similar to gi200549 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 759
```
gcgcaggccc atcgggccca ctctggagca gacgctgcct catgcccccg ggtctctgct     60
gtgaggagga gggaggggac agacctccat ggcaccacag tgtcctgggg aactgaggcg    120
agtcacagag gctgcagagg aaagtgtgaa cttgtcacag tgggggaagg acgtggtgcc    180
gaggccaggc tgcagggctc cctgtgcctc ccagccccgc acctcctccc tctggaccgg    240
ctcccacaag gacatcccac ccggtcagca gcccacggag gctcccgtgc agggaccacc    300
ccctccccgt gctgggccgg ctccggggcc accccctcct ccctgctgcc cccagagctg    360
ctcaccctgg ggatcttccc cccatcctct tctggctcac cgtgggctca ggccctgccc    420
gatggctgg                                                            429
```

<210> 760
<211> 519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(404)
<223> similar to gi5923788 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 760

```
cagggattag atatctgtgc aaatggcagg tgcccagaaa gttggctgtg atggtttatt        60
agggtctctt gcaagagaag atcattgtgg tgtatgcaat ggcaatggaa aatcatgcaa       120
gatcattaaa ggggatttta atcacaccag aggagcaggt tatgtagaag tgctggtgat       180
acctgctgga gcaagaagaa tcaaagttgt ggaggaaaag ccggcacata gctatttagc       240
tctccgagat gctggcaaac agtctattaa tagtgactgg aagattgaac actctggagc       300
cttcaatttg gctggaacta ccgttcatta tgtaagacga ggcctctggg agaagatctc       360
tgccaaaggt cctactacag cacctttaca tcttctggtg ctcctgtttc aggatcagaa       420
ttatggtctt cactatgaat acactatccc atcagaccct cttccagaaa accagagctc       480
taaagcacct gagcccctct tcatgtggac acacacaag                               519
```

<210> 761
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (67)...(375)
<223> similar to gi56588 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 761

```
accaacaaga aaatataaaa cttatgcaaa ctataaaccg aatagacttc acatacacag        60
ataaaataca caaaagcagc agaatacata ttcttttcaa gcagacatgg aagatctttc       120
aggattccat aggctaagtt ataaaaccaa tcttagaaaa tttaaaagga tagaaataac       180
aaagcatatt caccaagcag aatgggctga aactagaatt caatgacaga aagaaatttg       240
agaaactcgc aaatatattg aaattcaaga acacactgct aaataaccag tgggtaaaag       300
aagaaatcac aaagagaatt agaaaatgct ttaagataaa tgaaaataaa tataaaacac       360
accaaaactt aatatgcagc taaaaacagg catacn                                 396
```

<210> 762
<211> 1400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1401)
<223> n = a,t,c or g

471

<220>
<221> misc_feature
<222> (10)...(1152)
<223> similar to gi1113865 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 762
gaacgttgta aagtgcagtc ctccacttta gtgtcttctc tggaggcgga gctctctgaa   60
gttaaaatac agacccatat tgtgcaacag gaaaaccacc ttctcaaaga tgaactggag   120
aaaatgaaac agctgcacag atgtcccgat ctctctgact tccagcaaaa aatctctagt   180
gttctaagct acaacgaaaa actgctgaaa gaaaaggaag ctctgagtga ggaattaaat   240
agctgtgtcg ataagttggc aaaatcaagt cttttagagc atagaattgc gacgatgaag   300
caggaacaga aatcctggga acatcagagt gcgagcttaa agtcacagct ggtggcttct   360
caggaaaagg ttcagaattt agaagacacc gtgcagaatg taaacctgca aatgtcccgg   420
atgaaatctg acctacgagt gactcagcag gaaaaggagg ctttaaaaca agaagtgatg   480
tctttacata agcaacttca gaatgctggt ggcaagagct gggccccaga gatagctact   540
catccatcag ggctccataa ccagcagaaa aggctgtcct gggacaagtt ggatcatctg   600
atgaaatnga ggaacagcag ctgctttggc aagagaatga gaggctccag accatggtac   660
agaacaccaa agccgaactc acgcactccc gggagaaggt ccgtcagttg gaatccaatc   720
ttcttcccaa gcaccaaaaa catctaaacc catcaggtac catgaatccc acagagcaag   780
aaaaattgag cttaaagaga gagtgtgatc agtttcagaa agaacaatct cctgctaaca   840
ggaaggtcag tcagatgaat tcccttgaac aagaattaga aacaattcat ttggaaaatg   900
aaggcctgaa aaagaaacaa gtaaaactgg atgagcagct catggagatg cagcacctga   960
ggtccactgc gacgcctagc ccgtcccctc atgcttggga tttgcagctg ctccagcagc   1020
aagcctgtcc gatgggtgcc cagggagcag tttctgcagc ttcaacgcca gctgctgcag   1080
gcagaaagga taaaccagca cctgcaggag gaacttgaaa acaggacctc cgaaaccaac   1140
acaccacagg gaaaccaggg gacaactggt aactgttcat gggagggaac gattgttagg   1200
aagtttgaac agaaattgaa atttgttgaa aaggtttttt caagagaaag tgaatcagct   1260
caaagaacaa gtgagcctac ctggtcatct ctgttcaccc acctcacatt ccagctttaa   1320
ctccagtttt acatcccttt attgccatta actcgttaac ttatgttggc taataaaggc   1380
aaattctatt aaaaaaaaaa   1400

<210> 763
<211> 386
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(389)
<223> similar to gi4204312 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters

<400> 763
aaatacagcg gaaaaacgaa ggtccttcac cagcgtttta aatcattgca ggaaaaacag   60
agataaagtc cgtgtctttt ctttttccac caagtcgctt gacttgctac agcagtactg   120

```
tatggctgct gggcttgatt acacgactga cttgatggag agtacaaaat cacaggacag    180
actcaagatt gtactagagt tcaacagtac acaagatgtt aacatttgcc ttgcctctac    240
aatggctggt ggactagtcc tcaatttctg tcggggccaa tgttggtgta ttattggatc    300
ctacttggaa tccagccaat gatcttcaag ccattgacag agcatatagg actggacaat    360
gtagagatgt caaagtgctt aagctg                                          386
```

<210> 764
<211> 1008
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)...(1008)
<223> similar to gi4099551 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 764
```
acggactgcc ccggtcgacc cacgcgtccg cggaggttcg acctgctgtg gccgccaagc     60
ccgggcgcgc aagaagaaac tcagcaagtc agacatcatg ctggtgcaga gctccaatgt    120
acccagtaac ccggcccagg tgccgataga ggagtccggg ggctttggct cccaccacca    180
caaccagaat tactgctatc aggtatgcct gacccctgag tccgccaaga ccgacctgat    240
gtttcttaag ccctgcagcc cttcgcggag tacggacact gagcacaacc cctgcggggc    300
catcgtcacc ggttacaccg accagcagcc tgatatcatc tccaacggaa gcattttgtc    360
caacgagact aaacaccagc gagcagagct cagctatcta gttgacagac ctcgccgagt    420
taacagttct gcattccagg aagccgacat agtaagctct aaggacagtg gtcatggaga    480
cagtgaacag ggagatagtg atcatgatgc caccaaccgt gcccagtcag ctggtatgga    540
tctcttctcc aattgcactg aggaatgtaa agctctgggc cactcagatc ggtgctggat    600
gccttctttt gtcccttctg atggacgcca ggctgctgat tatcgcagca atctgcatgt    660
tcctggcatc catcaaatcg gtgctggatg ccttcttttg ccccttctga tggacgccag    720
gctgctgatt atcgcagcaa tctgcatgtt cctggcatgg actctgttcc agacactgag    780
gtgtttgaaa cttcagaagc ccagcctggc gcagagcggt cctttccac ctttggcaaa    840
aagaaggccc ttcacagcac tctggagagg aaggagctgg atggactgct gactaatacg    900
cgagcgcctt acaaaccacc atatttgact cggaaaagga tatgctagtc aattctacag    960
gacttacctg aagcagcatg atttgcacaa agtcgaccaa caaaagca                1008
```

<210> 765
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (31)...(389)
<223> similar to gi1184100 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

473

<400> 765
```
ccttggaaga cattgctgag tggatcctgg ccatgccagc tatgccccga gaggacactg    60
gcttcccagc caaggagcct gtccacaccc agccctcaga gccccagtga caatatcaga   120
gttggcagcc aggggcctgg tgctgcttgg agcacctctg agcgggtgtc tgaatacacc   180
ccaacacggc ccatattccc atattcagaa tgccgtcccc aggacccgag gctaaagccc   240
agcccccccg gccctccccc agtcctgccc ttcttcggtt ctgccatccc caagctcatc   300
tccagcccac ccctgcgatc tggcctgcac atggccccaa ggtgcccccc aagggtgaag   360
ctgggtccct cccaacagcc ctttccactc acgtcct                            397
```

<210> 766
<211> 2337
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(2339)
<223> similar to gi1403709 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 766
```
tttcgttgca attgcaacga atggtgttgt gcctgctggt ggctcctact acatgatttc    60
caggtctctg ggcccagagt ttggggggtgc cgtgggcctc tgcttctacc tgggcactac   120
ctttgcagga gccatgtaca tcctgggcac catcgaaatc ctgctggctt acctcttccc   180
agccatggcc atcttcaagg cagaagatgc cagtggggag gcagcagcca tgctgaacaa   240
catgcgtgtt tacggcacct gtgtgctcac ctgcatggcc actgtggtgt tgtgggtgt   300
caagtatgtc aacaagtttg cccttgtctt cctgggttgt gtcatcctct ccatcctggc   360
catctatgct ggggtcatca agtctgcctt cgacccaccc aacttcccga tctgcctcct   420
gggtaaccgc acgctgtctc gccatggctt tgatgtctgt gccaagctgg cttgggaagg   480
aaatgagacg gtgaccacac ggctatgggg ccttttctgc tcctctcgct tcctcaacgc   540
cacctgtgat gaatacttca cccgaaacaa tgtcacagag atccagggca tccctggtgc   600
tgccagtggc ctcatcaaag agaacctctg gagctcctac ctgaccaagg gcgtgattgt   660
ggagaggagt gggatgacct cggtgggcct ggccgatggc actcctatcg acatggacca   720
cccttatgtc ttcagtgata tgacctccta cttcaccctg ctggttggca tctacttccc   780
ctcagtcaca gggatcatgg ctggttctaa ccgctctggg gacctgaggg atgcccagaa   840
gtcaatcccc actggcacca tcctggccat cgccaccacc tctgctgtct acatcagctc   900
cgttgttctg tttgggggcct gcattgaggg ggtcgtcctg cgggacaagt ttggcgaagc   960
tgtgaatggc aacctcgtgg tgggcactct ggcctggcca tctccatggg taattgtcat  1020
cggatccttc ttctccacct gtggggctgg gctgcagagc ctcacggggg ccccacgcct  1080
gctgcaggcc atctcgaggg atggcattgt gcccttcctg caggtctttg gccatggcaa  1140
ggccaatgga gagccgacct gggccctgct cctgactgcc tgcatctgcg agattggcat  1200
cctcattgca tccctcgacg aggtggcccc catcctctct atgttcttcc tgatgtgcta  1260
catgtttgtg aatctggcct gtgcagtgca gacgctgctg aggacaccca actggaggcc  1320
acgctttcga tattaccact ggaccctctc cttcctgggc atgagcctct gcctggccct  1380
catgttcatc tgctcctggt attatgcact ggtagccatg ctcattgctg gactcatcta  1440
caagtacatt gagtaccgtg gggcaaagaa ggagtggggc gatgggatac gaggtctgtc  1500
```

474

```
tctcagtgcg gctcgctatg ccctcttacg cctggaggaa gggcccccac acaccaagaa    1560
ctggaggcca cagctgctgg tgctggtgcg tgtggaccaa gaccagaatg tggtgcaccc    1620
ccagctgctc tcactgacct cccagctgaa ggcagggaag ggcctgacca tcgtgggctc    1680
tgtccttgag ggcacctttc tggaaaatca tccacaggcc cagcgggcag aagagtctat    1740
caggcgcctg atggaggcag agaaggtgaa gggcttctgc caggtggtga tctcctccaa    1800
cttgcgtgat ggcgtgtccc atctgatcca gtctgggggc ctcggggggc tgcagcacaa    1860
cactgtgctt gttggctggc cccgcaactg gcgccagaag gaagatcatc agacgtggag    1920
gaacttcatt gagctggtcc gggaaaccac agctggccac ttagccctgc tggtcaccaa    1980
gaacgtttcc atgtttcctg ggaaccctga gcgcttctct gaaggcagca tcgaccgttg    2040
ggggattggg cacgatggag gcatgctcat gctggtgccc ttcctgctgc ggcaccacaa    2100
ggtctggcgg aagtgcaaga tgcgtatctt cactgtggcc cagatggatg acaatagcat    2160
ccagatgaag aaggatctga ccacatttct gtatcattta cgcatcactg cggaggtcga    2220
ggtggtggag atgcatgaga gcgacatctc agctttacac ctatgagaag acgttggtga    2280
tgggagcagc gtttcccaga tcctcaaaca gatgcattta accaagaatg agcggga      2337


    <210> 767
    <211> 1788
    <212> DNA
    <213> Homo sapiens

    <220>
    <221> misc_feature
    <222> (1774)...(15)
    <223> similar to gi2789430 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters



    <400> 767
gcggccgctc gcgcgagtgc acgcggcagt ggttggtgag cttggacttc tcgctgaagc      60
tcttctcgca ctcggggcac ttgaagggcc gctcgcctgt gtgagtccgc tggtggcgca     120
gcaggtgcga ggggcggctg aagctcttgc cgcacaggct gcagatgaag gagacctcat     180
gcttgcccgc gtgcacgcgc tgatggatca ccaagctgat gtgcaggcgg aagctcttct     240
tgcactcggg gcacgtgtag ggccgctcac ccgtgtgcgt gatctggtgt ttggtcaggc     300
tggacttgtg gctgaagctg ctgtcgcact cggggcactt gtagggctta gggccaccgc     360
cgccgctacc agagctgggt gacttgggac gcggcttgag cgcgtgcttg gggttgaacg     420
tgggcccgcg ttcgggtgag acgcagcctc cgcgcacgcg gtggatgcgc tggtgcagcg     480
tgagctgttg cttgtgccgg aagctgatct cgcattcggc gcactcgtag ggcccctcct     540
tgatgtggtt gcgctggtgg atgatgaggt tgatcttcag gcggaagctc ttgccgcact     600
ccatgcatgt gaagggccgc tcgccgcgcc ggttccgctg ctgctggctc gaggccccgc     660
ggttctcgct caggtgccgc tcaccgtgca cggagggcgc cagccttttc actgcggggt     720
ttcctagctg caggggcggg gggctctcct cgccctcggg ggacatctcc ccgggcagcg     780
gggtctggta catactggcc tcatatctcc cggacagctg cccaagggat tgcaagtgct     840
gcggcagctc atcctcctcc tcctcttctt cctcctcgtc ttgttcctct gtcttgatca     900
cgatcccctc cgtgcagttc ctctgctgca ccagcatctg cttcagttcg ctgaactcgc     960
tggagccttc cgtggactcc tccagcgtgt tctctggctc ctgcatgtcc aggtctggct    1020
gttccccaca ggggtcaccc agctctgagt cctggaagcc gtgctcttcc acctgtccca    1080
tcagggctc aggtgtctcc aaactttctg agccctcgtc gttggtctgt acctcgatct    1140
taatcacgat cccatcgtgc gcagcactgg gatctgtcgg cgtttcgccc tcctcagagt    1200
cttcctgctc ctgcatggtg ggccgctccc cgcgctccat ctgtgacatg aggtctggtt    1260
tggaaattgc atagtccatg gaaaccaggg actcgtagtt gcccctcatc acgttcttgt    1320
agagctcctt ctgccactca gacaggtttc cccactcctg ctccgagaag tgcacagcaa    1380
```

```
catcatcaaa tgtgacaggg accttgggaa cttctccatt gctgccgggg ggcagccgca    1440
ggatccagaa atttctgttt ttcagcaggt tctccatgtt ctccagccgc ctctgcagca    1500
gcccatactc ctgcagcagg gtccccaaca cgacccactt gctctccaga tggttcgcga    1560
actccacggc tgtcttctcg cagtcggcta tcttcttttc atttgtcccc gtcctgcctt    1620
ccagggtcag tagcctcatg gcctgggcct ccagcttcct ctccactgct tggacggcag    1680
cccacacagc caagcgggtg atctctgccg tggggagcgg ctgttccttc tggactgcag    1740
aagagatctg gaaaggggtg tccttttggg aaaccgccca cgcgtccg                 1788
```

```
<210> 768
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(729)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (17)...(728)
<223> similar to gi3043650 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 768
tgaaatactt gttccactag acagtaaggt ttcaagacca accaaatttg ttgtttcgcc     60
caagaacctg aagaaagatc ttgctgaacg ttggagcctt cctgagattg ttgggattcc    120
acaccaatta tccaaacctc agcgtcagaa acagactttg ccagatgatt atttgagtat    180
ggacacactg tatcccggca gcctacctcc agaactccgg gtgaacgcag atgagcctcc    240
agggcctcct gagcaagttg gactttctca attccatcta gagcccaaaa gtcaaaatcc    300
agagaccctt gaagacatcc agtcctcttc actccaggaa gaagccccag cgcagcttct    360
acagctccct caggaggtag aaccttcaac ccagcaggag gccccagctc tgcctccaga    420
gtcctctatg gagagtctag ctcaaactcc actgaatcat gaggtgtcag ttcaacctcc    480
aggtgaggat caagctcatt ataatttgcc caacattaca gttaaacctg cagatgtgga    540
ggttaccatg acttcagagc ctaccaatga gacagaatct tcccaaaccc agcaggagac    600
cccaattcag tttccagagg aggtggaacc ttctgcaccc caacaggagg ccccaattga    660
gcctccagtt cctcctagga gcatnngtgt tccgagagcc tcaattgtct catttnnnnn    720
gggggggg                                                            728
```

```
<210> 769
<211> 4975
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
```

<222> (2)...(4975)
<223> similar to gi5689519 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

         <400> 769
aaggcatcca ggatgcggtg cggggcggcc cggtgccccc ccgccccgtc acggcagccg   60
cggcggccga ggggaccggg ccagggccgg gggcggcggc ccgagccgcg gtagcggcgg   120
cggcgggagg ggcggcctga gggcggacgg gcgggcgccc gggttgcggg ggctcggtgc   180
cgctccgcac tgcccggccg gtctcggccc cggcgccatg agtggcggcg gcggcggagg   240
gggctcggcg cccagtcgct tcgccgacta ctttgtcatc tgcggactgg acacggagac   300
cgggctggag ccggacgagc tgtcggcatt atgccagtac atacaggctt ctaaagccag   360
ggatggtgcc agccctttca tttcaagtac gactgaagga gaaaattttg agcagacacc   420
attgagaaga acattcaaat ctaaggtcct tgcacgatat cctgagaacg tagaatggaa   480
tccctttgac caagatgcag taggaatgct atgtatgccg aaagggctgg cattcaagac   540
ccaggctgat cccagggagc cccaattcca tgcctttatt atcacaaggg aggatggctc   600
tcggacattt gggtttgccc tcacatttta tgaagaggtg actagcaagc agatctgcag   660
tgcaatgcag accctctacc acatgcacaa tgctgagtat gatgtcctac atgctccccc   720
tgctgatgac agagaccaga gcagcatgga ggatggtgaa gacactcctg tgaccaaact   780
gcagcgcttc aactcctatg acattagccg ggacactctc tacgtctcta agtgcatctg   840
cctcatcaca cccatgtctt tcatgaaggc atgtcggagc gtgctggagc aactccacca   900
ggcagtcact tcacctcagc cccctccact gccccttgag agctacatat acaacgtact   960
ctacgaggtg ccgctcccac ctcctggccg gtccttgaag ttttctgggg tctatgggcc   1020
aataatctgc cagagaccaa gtaccaatga gcttccccta tttgactttc ctgtcaaaga   1080
ggttttttgaa ctgctcgggg tggagaatgt gtttcagctt tttacttgtg cccttctgga   1140
gtttcaaatc ctgctctact cacagcatta ccagagactg atgactgtgg cggagacgat   1200
tacagctctc atgtttcctt ccagtggca gcatgtctat gtccctattc tcccagcttc   1260
tctcctgcat ttcttagatg ctcctgttcc atacctgatg ggtttgcatt ccaatggcct   1320
ggatgaccgg tcaaagctgg agctgcctca agaggctaac ctctgctttg tggacattga   1380
caaccacttc attgagttgc cagaggactt gccacagttc cccaacaaat tggagtttgt   1440
ccaggaagtc tctgagattc tcatggcatt tggaattccc cctgaaggga atcttcattg   1500
cagtgagagt gcctccaagc tgaagaggct gcgggcctct gagcttgtct cggacaagag   1560
gaatgggaac attgctggct ccccctttgca ttcctacgag cttcttaagg agaatgaaac   1620
tattgcccgg ctgcaagcct tggtcaagag aactggggtg agcctggaaa agttggaagt   1680
gcgtgaagac cccagcagca ataaggatct caaagttcag tgtgatgaag aagaactcag   1740
gatttaccag ctaaacattc agatccggga agttttttgca aatcgtttca ctcagatgtt   1800
tgcagattat gaggtgtttg tcatccaacc cagccaggat aaggaatcct ggtttaccaa   1860
cagggagcaa atgcaaaact ttgataaagc atcttttctg tcagatcagc ctgagcccta   1920
cctgcccttc ctctcaagat tcctggagac ccagatgttt gcatctttca ttgacaacaa   1980
aataatgtgt catgatgatg atgataaaga ccctgtactc cgggtatttg attcccgagt   2040
tgacaagatc aggctgttga atgttcggac acctactctc cgtacatcca tgtaccagaa   2100
gtgtaccact gtggatgaag cagagaaagc aattgagctg cgtctggcaa aaattgacca   2160
tactgcaatt cacccacatt tacttgacat gaagattgga caagggaaat atgagccggg   2220
cttcttccct aagctgcagt ctgatgtact ttccactggg ccagccagca caagtggac   2280
gaaaaggaat gcccctgccc agtggaggcg gaaagatcgg cagaagcagc acacagaaca   2340
cctgcgttta gataatgacc agagggagaa gtacatccag gaagccagga ctatgggcag   2400
cactatccgc cagcccaaac tgtccaacct ctctccatca gtgattgccc agaccaattg   2460
gaagtttgta gagggcctgc tgaaggaatg ccgcaataag accaagagga tgctggtgga   2520
aaagatgggc cgagaagctg tggagctagg gcatggggag gtgaacatca caggggtgga   2580
agagaacacc ctgattgcca gcctttgtga tctcctggaa aggatctgga gtcatggact   2640
acaagtgaaa caggggaaat cagccttatg gtcccacctg ttacattatc aggacaaccg   2700
gcagagaaaa ctcacatcag gaagcctcag tacctcagga atacttcttg attcagaacg   2760
taggaagtct gatgccagct cactcatgcc tcccctgagg atctccctga ttcaggatat   2820
gaggcacatc cagaacatcg gggaaatcaa gactgatgtg ggaaaggcca gagcatgggt   2880
gcgactgtcc atggaaaaaa agttactttc cagacacctg aagcagctcc tctcagacca   2940

                    477

```
tgagctcacc aaaaagttat ataagcgcta tgccttcctg cgctgtgatg acgagaagga    3000
gcagttcctc tatcacctcc tgtctttcaa tgccgtcgat tacttttgct tcaccaatgt    3060
cttcacaact atcctgatcc cgtaccacat tctgatcgta ccaagcaaga agctggggggg   3120
ctccatgttc actgccaacc catggatctg tatatcagga gaattggggtg agacacagat   3180
catgcagatt cccaggaatg tgctagagat gaccttcgag tgccagaact tggggaagct    3240
tactactgtc cagattggcc atgataactc tgggctgtat gccaaatggc tggtggagta    3300
tgtgatggtc aggaatgaga tcacaggaca tacctacaag ttcccgtgtg gccggtggtt    3360
agggaagggc atggatgatg gaagcctgga gcggatccta gttggggagc tgctcacatc    3420
ccagcctgag gtggatgaga ggccatgccg gaccccgccg ctgcagcagt cccccagtgt    3480
catccggagg cttgttacca tctcacccaa caacaagccc aagctgaaca ctgggcagat    3540
ccaggagtcc atcggggagg cagtcaatgg cattgtgaag cacttccata agcctgagaa    3600
agagcgaggc agtctgacgc tgttgctctg tggagagtgt ggccttgtct cggccttgga    3660
acaggctttc cagcatggat ttaaatcgcc ccggctcttc aaaaatgtct tcatttggga    3720
tttcctggaa aaagcacaaa cctattatga gacattagag aagaatgaag tagtccctga    3780
ggaaaactgg catacaagag cccggaactt ctgccgattt gtcactgcaa tcaacaatac    3840
tccccggaac atcggcaagg atggcaagtt tcagatgctg gtgtgcttgg gagccagaga    3900
tcacctccta caccactgga ttgccctgct ggctgactgc cccatcactg cacacatgta    3960
tgaggatgtg gcactgatca aagaccatac acttgtcaat tccttgattc gtgtgctgca    4020
gacattgcag ggagtttcaa catcacgctg ggaggacgtc cctttgtcaa ggggcattcg    4080
gacatcttga cctcccagca ccagcccggc agcagggatt gaggaaagac tcaccctggc    4140
agctctgacc ttttttccc aaaggggact taaggcgatt gtgcaggagt aggagacaaa     4200
atgttacact cactgtaaaa agaaaactag gaggattttt gggaataaat aatctatttt    4260
agagtttatt tgctgatttg cttttacac actttcatgt gaaagagtga tagggagagg     4320
gagcgaggct ggtgccgctt attttgaagc tggtgccctc cctcgccgtg gccacatgct    4380
ggaagcctga ggcctccctg gactgagcct gtggcactgc gtgcgggaca gttatgtttc    4440
cttgccccgt cgcattaatg aggcccttcc acatcatttt taaactaatg tttttctata    4500
ttaacattat tatggatatt tggctttcat aggccacaca caggtggtct gccgcgggaa    4560
gcccccaggc ccccaatcaa agggattttt tagtagtgcc ctcctaagca agcaccgaat    4620
gagtcagtcc ccacgtattt tcctttttttg tccagtattg tttgggaagg agacatgccc   4680
gggatgtgtc catccgtgcc caaatacccca catttccctg ttggccacag tttccacaga    4740
agtaaacata agcatgtttt aacaggtttt tccttttctt ttttcttttt taaaatgttt    4800
tatttattta acccgccatt gtgtgttttt aagtattttc tttttttaag ggaaaggaaa    4860
agcttgtcac aatctaactg gctatgttat tattattaaa tttatgtttt gcaacttaga    4920
aaccagctac agtatggccc acttaataaa acacctcaaa caaaaaaaaa aaaaa          4975
```


```
<210> 770
<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(337)
<223> similar to gi854065 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters



<400> 770
gtagatctgc gtgtgcgttc ggtgtgtggc cggatgtggt gggtgtgtgc gcggagcacg    60
ttttatctgg agtgcttggt gtggtgtgta tttggtttgc gctttgacat gcagcatgtg    120
tttgtgtgtg cacgcttata ggttgtatgt ttctgcccga ttatagtggg attatgtggg    180
```

478

```
tgcggtttga aggtgggtgt gtgctgttcc tgccgggggtt tgtggtcgtg ctgtggtgag    240
tgtatatgtg tgtgcaatgt gtggatgtgt gtgtgcccgt tgaagcttgt gtgcatatgt    300
gtggagtgtg tttatgctta aatgcagtgt gccaaggggg gttaca                   346
```

        <210> 771
        <211> 381
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (79)...(381)
        <223> similar to gi1335199 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

        <400> 771
```
taaaaagagt aagttggaaa atactcagtg ctgatgagaa agtggggtaa ttgaaactct     60
tatacatcat tctaggaaca tccacttagg aaaacaactt ggcagtgtct aataaagtcc    120
agtatatgca ttccctataa cccagaattt ttactctcag gtgtataccc aacagaaatg    180
caggtgtgtg ttcaccagaa atcatgttca agaatgttca tggtatcact agtcatgagg    240
cacaaaaact ggaaatgttc atcaacaatg agtaggataa ataagttgtg ttaatattta    300
tacaattgaa aattatacag cagaaagaat aaataatcta aacctacaca caacagcatg    360
aagaaatctc atgagtggaa t                                             381
```

        <210> 772
        <211> 403
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (203)...(406)
        <223> similar to gi4589576 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters

        <400> 772
```
actgcctgtt acgtgccaag tgcttttttgt taaggacata atgtttttga ctggggatca    60
tgtttggctg atgtaaatat taatgccaaa ataggagcta ggatgaaagt aacactgtaa    120
ttagtagtag aatttatttc atattaaaat gtgtcatgac gtaatttta tggcttggct     180
caagcaacaa ttttcagagt gcaccctcat tgatgctact cacagagacg tggatgtgct    240
gttactgctt tctaactctg cctactacgt ggcctattat gatgatgaag ttgataaagt    300
aaaccagtat caacgactaa gtctagaaaa cctggaaaaa attgaaatag gccctgaacc    360
cactcttttt ggtaagccaa aagttctcct gcatgcgact gca                     403
```

479

```
<210> 773
<211> 357
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)...(358)
<223> similar to gi29963 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters


       <400> 773
cttcctttat taatgattcc atttagcctc acaaatatca gagtaggatc cttattgatg      60
ttgccttcct gatttacttt atcccataag actgtagata ccatttctgc cttgaagcct     120
aaaaactttc tttttattca gaccgagtta cattagtgct ctaggtttga cgtgctacga     180
tggagatgcc actacaggag catgggccta tgtgaggatc ctatcataat gtgggggagt     240
agggatggtg aaccccgacg ggtcagctcc atgcagaagg ggggcaacat gaaggaggtg     300
tacacccgct tctgtaccgg cctcacccag attgagactc tcttcaagac tggggac       357




       <210> 774
       <211> 422
       <212> DNA
       <213> Homo sapiens

       <220>
       <221> misc_feature
       <222> (1)...(424)
       <223> similar to gi200407 in the genepept database release 114,
          Run with FASTXY 3.3t00, default parameters




       <400> 774
gactcaaaga ttattagaca tgttagaatt catactggta agaagcccta tgtatgtaag      60
gaatgtggga aaggccttca gggggaactc agaacttctt agacatgaga gaattcacac     120
tggagagaaa ccctatgaat gctttgagtg tggaaaggct ttcaggcgga cctctcacct     180
tattgtccac cagagaattc atactggaga gaaaccccat caatgtaatg agtgtgcaag     240
aaccttttgg gataattctg agctgcttct ccaccagaaa attcatattg gagagaaacc     300
ttatgaatgt agcgagtgtg agaaaacatt tagccagcat tcccaactta tcatacatca     360
gagaattcac actggagaga agccttatga gtgccaagaa tgtcagaaga cttttagtcg     420
gg                                                                     422
```

```
<210> 775
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(379)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (349)...(238)
<223> similar to gi2197085 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 775
attgattgaa tgaacctgat ctctagagta gaccattatt agtggctctt ttgaaggaac      60
agtattaaag ccattcccta tagctcaggt ccatggcgcc taagtaggta aaaaagttga     120
aagaaattat taagaaagac atagtaagtc ttgaagtcaa gtagtatcag tcctccaact     180
ttgttctttc cactcaatgt tgagtttatt attctggatt tttgcttctc caaactttgg     240
actcagtttg ttgatatgta caaagtaaat tactgggatt ttgattatga ttgcaagcat     300
caatggaaag aactaatacc ttgacaatat ttagctntct tatacatgaa caagaaatat     360
ctgtcattta ttaagttn                                                   378
```

```
<210> 776
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (148)...(353)
<223> similar to gi3986752 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 776
cgccctacac aatggatcga atatactgta tacagctcgt ggatacgtac gcctagcaca      60
ggcccccatc tcgaatacat aagatatgaa ggattagtaa cgatacatgc tgagtcagat     120
atagagatgg ttcgtcctgc agcgcctcac tccagaggag aggtctacga caacagtgcg     180
tgtgagccac ttcgtggagg agttcaagag gaaacacaaa aaggacatca gccagaacaa     240
gcgagccgtg aggcggctgc gcgccgcctg cgggagggcc aggaggaccc tgtcgtccag     300
cacccaggcc aacctagaaa ttgattcact ttatgaaggc attgacttct a             351
```

<210> 777
<211> 342
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(322)
<223> similar to gi1943947 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 777
```
ggcatgccgg gtgccagttc aaagccctgc tgtggaagaa ttggctctgc agactcagga      60
acccggtcct tttccttgct gaattcttct ggccttgtat cctgtttgta attctgacag     120
ttcttcgttt tcaagaacct cccagataca gagacatttg ttatttgcag ccccgagatc     180
tacccagctg tggtgttatc ccctttgttc aaagccttct ttgtaacact ggatcaaggt     240
gtaggaactt cagctatgaa gggtcaatgg agcatcattt tcggtaagag aaacacaaag     300
atctttttca gaaatctcag aaagctgata catagaacag gg                        342
```


<210> 778
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(377)
<223> similar to gi488551 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 778
```
ggagccaggc cttatgtatg cagcgaatgt gggaaagagt tcagtcggaa acacacactt      60
gttctgcacc aacgaactca cactggagaa aggccttatg agtgcagtga atgtgggaag     120
gcctttagcc aaagctccca ccttaatgta cactggagaa ttcacagcag tgattatgag     180
tgtagcagat gtggtaaagc tttcagctgc atctccaaac tcattcagca ccagaaagtt     240
cactctggag aaaagcctta tgagtgcagc aagtgcggga agccttcac tcaaagaccc      300
aacctcatca ggcactggaa agtccacact ggggaaaagg ccttatgtgt gtagtgagtg     360
cgggagagaa ttcatccgga aaca                                            384
```


<210> 779

482

<211> 313
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(314)
<223> similar to gi1698455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 779
```
cccagtacga tcctgaagac aaaacacaat cagagcaatg gttaccaaca ggtagaagtg      60
gtccagtcaa agcaaaagag gtccagtcaa gagcaaaggt catggcaggg gttttttggg     120
atgctcaagg caatatgcct gctgactttc tcgagggcca aagaacaata acatctgctt     180
attatgagat gacttggaga aaactagcaa aagattttag cagaaaaaca cccaggaaag     240
cttctccaaa gagtccttct aaaccatgac aatgttcttg ctcattattc tcatcaaaca     300
agggcaattt ttc                                                        313
```


<210> 780
<211> 684
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(552)
<223> similar to gi1504022 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 780
```
ggcacgagca ataacaatca cacagaaatt caagaaattt ctttagcatt aaggagtcac      60
atgagtaaag caccaagtaa tacattccac ccccaagatt tctctgatgt attagtttta     120
ttttgtatgg gaactctcat agaacaggga aggacaattg gttggaaaga ctgttctata     180
gctgccagag actggataag cgtgaccagt caacaattcc acgcaatctc ctgaagacag     240
atgctgtcct ttggcagtgg gccatatggg aagctgcaca attcactggt ctttctaagc     300
tgagaacccc actgggcaga gctcaagaca ccttccagac aattgaaggt atcattcgaa     360
gtctcgcagc tcacacatta aaccctgatc aggatgttag tcagtggaca actgcagaca     420
atgatgaagg ccatggtaac aaccaactta gacttgttct tcttctgcag tatctggaaa     480
atctggagaa attaatgtat aatgcatacg agggatgtgc taatgcatta acttcacctc     540
ccaaggttgg tttccatgag atagtgttgt tttatagcag tttaatggtc acagctggca     600
gtatgtgcag agctgaaatc acagtagact tgtgtatttg gtttatatat aggtgagaca     660
tccttaccta caaattgaac cagg                                            684
```

<210> 781
<211> 398
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(393)
<223> similar to gi2065210 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 781

```
ggtgaaggat aagttgctgc atttagtccc tcctacaacc aagaaagagc acaatgccta      60
tctggatttc ggagggaaca cattcctcat ttgggtgtgt tactccagcc catttatcga     120
gtgagccgaa aggctgccaa ttttgagtgg agtccagaac aggagaaggc tctgcaacag     180
gtccaggctg ctgtgcaagc tgcttggcca cttgggccat acgacccagc agatccaatg     240
gtgcttgagg tgtcagtggc agatagggat gctgattgga gctgttggca ggcctccata     300
ggtgaatcac agtggaggcc tctagaacat tggagcaagg ccctgccctc ttcttcagat     360
aactactctc cttctgagag agagctcttg ctcgtgcc                             398
```

<210> 782
<211> 635
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (277)...(523)
<223> similar to gi3327228 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 782

```
attttatagg ctagaataca atctctaaaa ggccctttct gattatctta acccaattca      60
ttgcaaatat tcaccattaa gataagagtc actctgtaga acctgtcaat tttctcagtc     120
ttaaggcttt gagaacactt taattttct ataaatccga gttgaatgta ctgccgggaa     180
ggaaaagctg gagccccagg gcctatggtt cactccacca tcattaatgt ttacatccac     240
ctttcagatc tcatttttga tgaagaggaa ggagcggttt ccacaagggg cacctccgtt     300
cagagcattg aactgggtcc tcccacccca tgcaaaccat cacggaaata catttggtgg     360
ccagattatg gcgtggatgg agacagtggc tactatttct gcaagccgcc tgtgttgggc     420
tcatcccttt ctgaagtcca tagatatgtt taagttccgg ggaccatcta cagttggaga     480
tcgtcttgtc ttcactgcca ttgtcaacaa tacatttcag acctggtaaa gtgagccctt     540
aggctgctat gaagaaattt aaacttgcac aaatgtaatt tttaatttca gcctggagtg     600
ttgaagttgg agttcgcgtg gaggcctttg actgt                                635
```

484

<210> 783
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (220)...(467)
<223> similar to gi387683 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 783
```
ggcacgagct tggctccatc cgctttgggg tttccagtct ttgttggagt caggactctc      60
aaaagaaggg aacgcgttat aggggcccaa actggatttg gggactgcaa aggcgagcag     120
cgctcgttca gtttatctcc tgggaacgca ccaggagttg ggcacacgcg ggagctgggt     180
cggtgctcct ggcaggtaac ggcttgttcc cggtgcatac ggcagactgc ggaggaacgg     240
gaggccgaga ggcagcaggc gaaccgcatc ctcctgcaga tgcagcagga ggcctatcat     300
aagagccttg cacagactgt gaccgctgac cctctgtgcg tgcacagttg cgtcagtcgt     360
cggcatgcag atgatggcgc cgtgggtggg cgagttgagc tgcatgcata tttgacgatc     420
atcggacttc ttatgcgcgg gtgcactgtg tctttggatg atggagg                   467
```


<210> 784
<211> 784
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(784)
<223> similar to gi158591 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 784
```
ggcacgaggg cccaggagga gcaggggggc tccgctgtgc gcaggatcgc ccaggaagtg      60
cagcgctttg cccaggagaa aggtcatgac gccagtcaga tcacactagc cttgggcaca     120
gctgcctcct accccagggc ctgccaggct ctcggggcca tgctgtccaa aggagccctg     180
aaccctgctg acatcaccgt cctgttcaag atgttcacaa gcatggaccc tcctccggtt     240
gaacttatcc gcgttccagc cttcctggac ctgttcatgc agtcactctt taaaccaggg     300
gctcggatca accaggacca caagcacaaa tacatccaca tcttggcgta cgcagcaagc     360
gtggttgaga cctggaagaa gaacaagcga gtgagcatca ataaagatga gctgaagtca     420
acgtcaaaag ctgtcgaaac cgttcacaat ttgtgttgca acgagaacaa aggggcctct     480
gaactagtgg cagaattgag cacactttat cagtgtatta ggtttccagt ggtagcaatg     540
ggtgtgctga agtgggtgga ttggactgta tcagaaccaa ggtactttca gctgcagact     600
gaccataccc ctgtccacct ggcgttgctg gatgagatca gcacctgcca ccagctcctg     660
cacccccagg tcctgcagct gcttgttaag cttttttgaga ctgagcactc ccagctggac     720
gtgatggagc agcttgagtt gaagaagaca ctgctggaca ggatggttca cctgctgagt     780
```

<210> 785
<211> 351
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (122)...(351)
<223> similar to gi5262617 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 785
ggcacgaggg tgaagaggaa gcagtacgat gcctacggct ctgcaggctt gggcctgggg   60
ccagcggctc ccagcatagc tactggaagg gaggccccac tgtgaacccc gaggagctgc   120
tcaggaagac cgacggcgaa agatcgtcct gatgctatcg agagcatcat acatgctacg   180
aaaaagccaa ctgggacttc tcaacggcac caattactgc catttagccc acgagctgcg   240
tctcagctgc atggagagga aaaacgtcca gattctaatc atggatccct ccgccttggc   300
aagcgaccga tataacctca tactggcaca aaccagacag agaccggatc t   351

<210> 786
<211> 1468
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)...(1468)
<223> similar to gi158591 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 786
gaaaaaagaa gctgccttgt tagtaacggg ctctatggtt tttctcatca agaggtcatg   60
acgccagtca gatcacacta gccttgggca cagctgcctc ctaccccagg gcctgccagg   120
ctctcggggc catgctgtcc aaaggagccc tgaaccctgc tgacatcacc gtcctgttca   180
agatgttcac aagcatggac cctcctccgg ttgaacttat ccgcgttcca gccttcctgg   240
acctgttcat gcagtcactc tttaaaccag gggctcggat caaccaggac cacaagcaca   300
aatacatcca catcttggcg tacgcagcaa gcgtggttga cctggaag aagaacaagc   360
gagtgagcat caataaagat gagctgaagt caacgtcaaa agctgtcgaa accgttcaca   420
atttgtgttg caacgagaac aaagggggcct ctgaactagt ggcagaattg agcacacttt   480
atcagtgtat taggtttcca gtggtagcaa tgggtgtgct gaagtgggtg gattggactg   540
tatcagaacc aaggtacttt cagctgcaga ctgaccatac ccctgtccac ctggcgttgc   600

```
tggatgagat cagcacctgc caccagctcc tgcacccca ggtcctgcag ctgcttgtta      660
agcttttga gactgagcac tcccagctgg acgtgatgga gcagcttgag ttgaagaaga      720
cactgctgga caggatggtt cacctgctga gtcgaggtta tgtacttcct gttgtcagtt      780
acatccgaaa gtgtctggag aagctggaca ctgacatttc actcattcgc tattttgtca      840
ctgaggtgct ggacgtcatt gctcctcctt ·atacctctga cttcgtgcaa cttttcctcc      900
ccatcctgga gaatgacagc atcgcaggta ccatcaaaac ggaaggcgag catgaccctg      960
tgacggagtt tatagctcac tgcaaatcta acttcatcat ggtgaactaa tttagagcat     1020
cctccagagc tgaagcagaa cattccagaa cccgttgtgg aaaaaccctt tcaagaagct     1080
gttttaagag gctctggcag cgtcttgaaa atgggcaccg ctgggaggag gtggatgact     1140
tctttacaaa ggaaaatggt agcagcttca gtgagaaact gcccttacaa acagtccctt     1200
ctctgctgtc aatccaatac tgctcccaaa tcctgttttc agtgttcatt tccctcaagg     1260
caggcgctgg gctcccacga cccctcagga cagatctggg ccgtcagccg cgggccgctg     1320
ggaactccac tcggggaact cctttccaag ctgacctcag ttttctcaca agaacccagt     1380
tagctgatgt tttattgtaa ttgtcttaat ttgctaagaa caagttatca gttaattttt     1440
aaaaaagcct ttctgctggg ttggatta                                        1468
```

<210> 787
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (342)...(0)
<223> similar to gi854065 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

```
<400> 787
tttcgtctct gatccggctc agctttccag tcagctgcgg aaggagccac gctttcgggg       60
gttgcaagat ggcggccacc agtggaactg atgagccggt ttccggggag ttggtgtctg      120
tggcacatgc gctttctctc ccagcagagt cgtatggcaa cgatgtgagt atgactcacc      180
cacagctccc acccactcag ctagcctggg atctctgcag gacctgcctg ccactaagtt      240
ataacttcac' gtcctgataa tctactgcag accctctcca cttacaccag aaactgcacc      300
ttcgttcagt tcgtttttaat cttggtccac aaacgcagga ctaacgcctg tggaagtggt      360
tccccaagtt ggccacgctt tagaattact ggggagcttt taaacatccc g              411
```

<210> 788
<211> 770
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(772)
<223> similar to gi1129173 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 788
tgagacctgg ctcatgccac tgagcagctg aacatgctca cagaggcctc aaaaaaacac   60
tcgggggctg ctgcagtctg cccaggaaga actgaccaag aaggaagccc tgattcagga   120
acttcagcac aagctaaacc aaaagaaaga ggaagtagaa cagaagaaga atgaatataa   180
cttcaaaatg aggcaactag aacatgtgat ggattctgct gctgaggatc cccagagtcc   240
taagacacca cctcactttc aaacacattt ggcaaaactc ctggaaacac aagaacaaga   300
gatagaagat ggaagagcct ctaagacttc tttggaacac cttgtaacaa agctaaatga   360
agacagagaa gtcaaaaatg ctgaaatcct cagaatgaag gagcagttgc gtgaaatgga   420
aaacctacgc atggaaagtc agcagttaat agagaaaaac tggctcctgc aaggtcagct   480
ggatgatatt aaaagacaaa aggaaaacag tgatcagaat catccagata atcaacagct   540
gaagaatgaa caagaagaaa gtatcaaaga aagacttgca aaaagtaaaa tagttgaaga   600
aatgctgaaa atgaaagcag acctagaaga agtccaaagt gccctttaca acaaagagat   660
ggaatgcctt agaatgactg atgaagtcga acgaacccaa actttggagt ctaaagcatt   720
ccaggaaaaa gaacaactga gatcaaagct ggaagaaatg tatgaagaaa   770

<210> 789
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)...(494)
<223> similar to gi2564328 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 789
ggcacgagac ctgctctgta actcacattg tgtccttctc tctccctttc cttaaccctt   60
cccatcccgc ttcaactcct ggccatacag agaatgaaca gccttccctc gtttggtttg   120
acagaggaaa gttttatttg acttttgaag gttcttccag gggacccagc cccctaacca   180
tgggagctca ggacactctc cctgttgcag cagcatttac agaaacagtc aatgcctatt   240
tcaaaggagc agacccaagc aaatgtatcg ttaagattac cggagaaatg gtgttgtcat   300
ttcctgctgg catcaccaga cactttgcca acaacccgtc cccagctgct ctgactttc   360
gggtgataaa tttcagcagg ttagaacacg tcctgccaaa cccccaactt ctctgctgtg   420
ataatacaca aaatgatgcc aataccaagg gaattctggg taaacatgcc aaatttgatg   480
actcacctaa aga   493

<210> 790
<211> 342
<212> DNA
<213> Homo sapiens

488

```
        <220>
        <221> misc_feature
        <222> (2)...(338)
        <223> similar to gi498736 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 790
tggtaaagca tttaaagagt gttcaggact tagcgcccat cttgtaatcc attctggaga      60
aaaaccttac aaatgtaatg agtgtacaag aacttcaggc acaaattttc cctcactcaa     120
cagagaagtc atactgcaga aaaaccttac acacgtaatg aatgtggcaa ggtctttggt     180
caattgcacg gcatcaaata attcatagta cagagaagcc ttacaaatgt aacaaacgtt     240
gaaagcattt agcaagcatt caggacttat ggcccatctt ctaatccata ctggagagaa     300
actttacaaa tatagtgaat gcggcaaggt cttcctcgtg cc                        342




        <210> 791
        <211> 333
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (3)...(264)
        <223> similar to gi3342234 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters




        <400> 791
cgggtgtaga ggcagtcgga tgtcgtggag tggggggcag gagggggtgg agcggctggg      60
gcctcgtggg cggtgagggt cggcagggtg ggtcttggaa ggcaggtggg cggggaagtg     120
ctgtagctta taggggtatg ggggagtgtg ggtcaaggca ggaggacagg tcgggctgct     180
ggcagggtag tgcaaagggc tattcacgag gggtagagcc ttctctccca ggccgaattg     240
ccaactccca acacccctcc tacagaaaat ttggagtcct cgctcattcc ctggcagccc     300
ctacctaata gggtggtgaa ttaatctcgt gcc                                  333




        <210> 792
        <211> 696
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(677)
        <223> similar to gi2224553 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

<400> 792

```
agtgccctgc gcaaggaaca ggactcattt ctgagaagga tggacgcagc cccaacaaat      60
cagacaagga ccacatccgg tggcccatga gtggcgctca tgatcttcag caggcggcac     120
caggccctgg cggggcgcac cagggtcacc ccaaccagga taaccggacc gtcagccaga     180
tgctgagcga gcggtggtac accctggggc ccaatgagat gcagaaatac cacgacctgg     240
ccttccaggt gaaggtggcc cacttgcaac aaggaccgaa agaagtccag ctcagaggcc     300
aagcccacaa gccaggggct agcaggagtg taacaagggc tcgtgggagc ggagcatatc     360
agagacgggc actgccactg cccctggggt gtcctctgaa ctccagtcag ttgcagccca     420
aacacttcag agctcggata ccaaggagca gcttctgtgg ggcagaatgg ctgcacacag     480
tcagggaacc tggctcagcc tggcccaagc cttctcccac agcggggtac acagcctgga     540
cggcagggaa atagaccgtc aggcactacg ggaactgaca caggtggtgt ctggcagtgc     600
atcatatgtt ggcccaaagc catttactaa gtatggagct cccgccctca aggcagtaag     660
tggtaagcca ggtaattcgt ggtcagagct cgtgcc                               696
```

<210> 793
<211> 1089
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1086)
<223> similar to gi2370155 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

<400> 793

```
ccagccacga tagacaagag acgccaagat ggcaccaaca gcagcaacaa gccttacagg      60
agactttcag agagagaatt tgacccaaat aagcactgtg gagtattgga tgccgagaca     120
aagaaacctt gcacaagatc cctcacctgc aagacacatt cgctaagcca tcggagggca     180
gtcccaggcc ggaaaaagca atttgacctc ctcctggcag aacacaaagc aaagtcccgg     240
gaaaaagaag ttaaagataa agagcatctc ctgacttcca cgagggaaat acttccaagc     300
caatccgggc cggcacagga ttctctgcta gggtcttcag ggagctctgg gccagaacca     360
aaagttgcat cccctgcaaa atccagacca cccaactctg tacttcctag accatcatct     420
gcaaatagca taagcagcag cacatcttca aatcatagcg gccacactcc agagcccca     480
ctcccaccgg ttggaggtga cctcgccagc cgactgtcca gtgatgaagg ggagatggac     540
ggagccgacg aatccgagaa gctagactgt cagttctcca cgcaccaccc cagacctatg     600
gcgtttgct catttgggag tcgcctcatg ggacgaggt actatgtgtt tgatagaaga     660
tgggatcgtt ttcgattcgc actaaactcc atggtagaaa aacacctgaa ttcacagatg     720
tggaagaaga tccctcctgc gggcagatag gcccctgcc ctcgccagca gcccacatca     780
ccaccccgt tccagcatcc gttttgcagc ctttcagcaa ccccagtgct gtgtatcttc     840
cttcagctcc catcagctcg aggctcacct cttcttacat aatgacatca gccatgctct     900
caaacgcagc tttcgtgaca tcgccggacc cgagcgccct catgtcccac accacagctt     960
tccctcatgt ggccgcaacc ctcagcatca tggactcaac cttcaaggcc ccatccgccg    1020
tgtccccgat accagccgtc atcccttccc catcccacaa gccatccaaa accaaaacca    1080
gctacgaaa                                                            1089
```

490

<210> 794
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(48)
<223> similar to gi559160 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 794
ccatcgcgca ccgccgcacc tcccccccat cccccctccc tctcccccct ctcccctctc   60
ccaccacccc cccctgcct cctcccgccc gccaccctcc ccgatccctc ctctcctgcc   120
atcccgctcc agccactccc tgttcctacg tcatccccga tttatcattt tcctttctca   180
tactcccctc acttcacctg attttggtat ccagattgta atttaacttt ataaaaagag   240
ttaagaaagt gttgctgttt ttcttttttc tggaatggat taagattagc atatctcttc   300
atttaatgtt tggtagaact tgttagaaca gtctgagtat gtttttatcc ctcgtgcc   358

<210> 795
<211> 602
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(603)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(589)
<223> similar to gi411989 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 795
gatgtgatgt gcactgcttt tcatgacaat gaagagacat ttttgaaaaa atacttatat   60
gaaattgcca gaagacatcc ttacttttat gccccggaac tccttttctt tgctaaaagg   120
tataaagctg cttttacaga atgttgccaa gctgctgata aagctgcctg cctgttgcca   180
aagctcgatg aacttcggga tgaagggaag gcttcgtctg ccaaacagag actcaagtgt   240
gccagtctcc aaaaatttgg agaaagagct ttcaaagcat gggcagtagc tcgcctgagc   300
cagagatttc ccaaagctga gtttgcagaa gtttccaagt tagtgacaga tcttaccaaa   360
gtccacacgg aatgctgcca tggagatctg cttgaatgtg ctgatgacag ggcggacctt   420

```
gccaagtata tctgtgaaaa tcaagattcg atctccagta aactgaagga atgctgtgaa     480
aaacctctgt tggaaaaatc ccactgcatt gccgaagtgg aaaatgatga gatgcctgct     540
gacttgcctt cattagctgc tgattttgt tgaaagtaag ggtgttttgc caaancttat      600
gg                                                                     602
```

```
        <210> 796
        <211> 334
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(335)
        <223> n = a,t,c or g

        <220>
        <221> misc_feature
        <222> (12)...(334)
        <223> similar to gi551324 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 796
caccccaaca ccacaccaaa cacccaaacc cccacccaac aacccaaaac acacccacac      60
acacaccaca accacccac aaaaccaacc acccnccaac accaaacaac cacaaccacc      120
aacaaacaaa cccacacaac cccacaccaa acaaaacaca ccaacccaca aaacnnanan     180
aannannacn ncncnaaaaa ccnngtcaca taatcnccac atccctattc atctcagtgt     240
tgacatctgt tgactgtctt ttctcattca agttgttatt ttctccattc ttgctatgat     300
gagtggtttt tctactgtgt ccagttctcg tgcc                                334
```

```
        <210> 797
        <211> 238
        <212> DNA
        <213> Homo sapiens

        <220>
        <221> misc_feature
        <222> (1)...(241)
        <223> similar to gi2280514 in the genepept database release 114,
           Run with FASTXY 3.3t00, default parameters
```

```
        <400> 797
cacatgcact cacaccacat gcactcacac acaccacatg cactcacaca caccacatgc      60
actcacacca catgcattca cacacacacc acatgcactc acaccacatg cattcacatg     120
```

```
caccacatgc actcacacca cacgcatgca ctcacacaca ccacatgcac tcacaccaca      180
tgcactcaca ccacatgcat gcactcacac cacatgcatg cactcacaca ccacatgc        238
```

```
        <400> 798
cttctagatg ttagagacac aagcggccca tctgtgttca cagcaatcta aacaagaatt       60
ccttagggtc tcctttgcta ggtccagttg ttccaggacc atctccaatc ccttctgtta      120
ctgaaaagag gttatcatct ggccaaaata aagcttcagg caagaggcaa agatccagtg      180
gaatatggga gaatggtaga ggaccaacac ctgctacccc agagagcttt tctaaaaaaa      240
gcaagaaagc agtcatgagt ggtattcacc ctgcagaaga cacggaaggt actgagtttg      300
agccagaggg acttccagaa gttgtaaaga aagggtttgc tgacatcccg acaggaaaga      360
ctagcccata tatcctgcga agaacaacca tggcaactcg gaccagcccc cgcctggctg      420
cacagaagtt agcgctatcc ccactgagtc tcggcaaaga aaatcttgca gagtcctcca      480
aaccaacagc tggtggcagc agatcacaaa aggtcaaagt tgctcagcgg agcccagtag      540
attcaggca                                                              549
```

```
        <400> 799
ggcacgagca ggccattctg gaggaaaaca aggagaagct gccacttgac atcaaccccg       60
tggtgcaccc acactggcac atctttaagg actacacgga cgtgcaccat gtggacagac      120
atttctaatc cacccgcgct ttaccctcac ctatagtgac gcggacgccc agatgctgta      180
caacttctca cacttcaatg tctacccgaa attcatacag gataagccaa gggcactcat      240
gagacaggaa tgatgggagt acctgcacat tgtccttctg aggcctgaca gctttacttt      300
```
```
493
```

```
<210> 800
<211> 314
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(181)
<223> similar to gi3021428 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 800
ggcacgagca tctacctagc acatcgtgtg gccgcgggct tgggaattgg cccagttcat        60
ccaccacaca tccaagaagg cagacgtggt tctggcgtgt ggcgactcta tcgtgcatcc       120
cgaggacctg atctgctgtc cgctgacggg gaggagttgc ctatgtgatg ttcatctact       180
ctcgtctctc ctagctcgtc tcggtagagg ttatgctgtc tctctgacta atctctagga       240
gttctgctgc cacgctcgtc tctgctgttg ctgctcttct gttggctctt gcgtactctt       300
cgacggcatc tctg                                                          314
```

```
<210> 801
<211> 339
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (200)...(334)
<223> similar to gi4995271 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
```

```
<400> 801
ggcacgagaa ctggaccttt atgttctagg aatttccact tgatgccttc aggatagcgc        60
tcttcttccc acctttaaaa gacaaagcac agcctcattt agtgatcgcc ttgtctaaca       120
tggggatcat cactgattaa atgccaaata attatccgct caactgatta gtgctctgga       180
atgacttctg ggcctcacat tcaaggcctg gatcaaaaga accagtgtct ctcattttgc       240
aattagccaa tgtcttcaag tatcatgaat tactagtgat aattatcgat aattcctctt       300
gctgtcgtat atcttgctat tatgtaccgc actcatccc                               339
```

<210> 802
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(423)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (187)...(422)
<223> similar to gi232583 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 802
```
ggcacgagct tggctccatc cgctttgggg tttccagtct ttgttggagt caggactctc    60
aaaagaaggg aacgcgttat aggggcccaa actggatttg gggactgcaa aggcgagcag   120
cgctcgttca gtttatctcc tgggaacgca ccaggagttg ggcacacgcg ggagctgggt   180
cggtgctcct ggcaggtaac ggcttgttcc cggtgcagac ggcagactgc ggaggaacgg   240
gaggccgaga ggcagcaagc gaaccgcatc ctcctgagtt gcagcaggag gcctatcata   300
agagcctggc acagccgctg cccgctgacc ctctgtgcgt gcacaactcg tcgctcttcg   360
ccctgcagaa tctgncagcc gggtctgacg actcgaccan natcacttac gtnnaactgg   420
tg                                                                  422
```


<210> 803
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (117)...(370)
<223> similar to gi545998 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 803
```
ggcacgaggg gctttgggcc gggtgttgcg aatgtgaagg cttgagtaac cttccgtcaa    60
ggagctccca gtcttgttga ggataccaag acgtaggcag ttactgtaca gcttggacga   120
tgccggtggt gatcttctgg cactgggaga accagtcctt caatgcctta gtcaactaca   180
```

495

```
ccaacatgaa tgcggcttca cccacatcat tcagaaagcg ccgtccttgg agggccgatg    240
cgtgcccttt gccgctgttg ctgcggctga ctgtgtcaat atccccatga tgcgacagct    300
ggagcttatc aagggaattt gcgtgaatga cacgaatgtt tatgagattt gtcattcccg    360
gaaagcatga gtcataggcn                                                  380
```

```
        <400> 804
ggcacgaggt gagcgtattc tttctagaga agcaccaaag gagctaaagc ggcagcccat     60
gtcccttggg tatttgggat caactgtcaa agctgaaaat cttcctcagt ggttttggac    120
atcgtgttcc caggctcaaa aacagtgccc tttcttatta aaggctacga tgcattacca    180
catttcagta gcacagacag acgaaattct gcctgccagg aattctaagc ggtttccaca    240
ccctattgac tccaaaacca ggttgaatgt tttaaggttc gatttggagc agtacaacgc    300
tctgatcctg gctcacgtgc aatacggcca cccaagaccg taattcc                  347
```

```
        <400> 805
cttcagaaca aattgccaaa agccagagtt gtttatgcta gtgcaactgg tgcttctgaa     60
ccacgcaaca tggcctatat gaaccgtctt ggcatatggg gtgagggtac tccatttaga    120
gaattcagtg attttattca agcagtagaa cggagaggag ttggtgccat ggaaatagtt    180
gctatggata tgaagcttag aggaatgtac attgctcgac aactgagctt tactggagtg    240
accttcaaaa ttgaggaagt tcttctttct cagagctacg ttaaaatgta taacaaagct    300
gtcaagctgt gggtcatcgc cagagagcgg tttcagcaag ctgcagatct gattgatgct    360
gagcaacgaa tgaagaagtc catgtggggt cagttctggt ctgctcacca gaggttcttc    420
```

```
aaatacttat gcatagcatc caaagttaaa agggttgtgc aactagctcg agaggaaatc      480
aagaatggaa aatgtgttgt aattggtctg cagtctacag gagaagctag aacattagaa      540
gctttggaag agggcggggg agaattgaat gattttgttt caactgccaa aggtgtgttg      600
cagtcactca ttgaaaaaca ttttcctgct ccagacagga aaaaacttta tagtttacta    . 660
ggaatcgatt tgacagctcc aagtaacaac agttcgccaa gagatagtcc ttgtaaagaa      720
aataaaataa agaagcggaa aggtgaagaa ataactcgga gaagccaaaa aagcacgaaa      780
agtaggtggc cttactggta gcagttctga cgacagtgga agtgaatctg atgcctctga      840
taatgaagaa agtgactatg agagctctaa aaacatgagt tctggagatg atgacgattt      900
caacccattt ttagatgagt ctaatgagga tgatgaaaat gatccctggt taattagaaa      960
agaccacaag aaaaacaaag agaaaaaaaa gaagaaaagt atagatccag attctattca     1020
aagtgcctta ttagcatcag gtcttggatc aaaacgacct agtttttcat ctacaccagt     1080
tatctcacct gctcctaaca gtacaccagc taacagtaac accaacagta acagtagcct     1140
tataacaagt caggatgctg tggaaagggc tcagcagatg aagaaagacc tgcttgataa     1200
gctagaaaaa ttagctgaag acctccccccc taataccctg gatgaactta tcgatgaact   . 1260
tggtggccct gagaacgttg ctgagatgac tggccgcaag ggacgggttg tgagcaatga     1320
tgatggaagc atatcttatg agtcaagatc tgaacttgat gtgcctgtgg aaataa       . 1376
```


<210> 806
<211> 697
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (81)...(699)
<223> similar to gi5802812 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 806
```
ggcacgagcg aatgaatgaa ttgtggcctc aggaaccacg agcgcatggt gtagcaccag      60
gacaacataa ggctgcactg ccatctaatg ttaatgaatc gccattacag tttactattc     120
ggcaggctag attagccgga gatcttgatg cctggcagtt tgcagtagtt ttgcaacccc     180 .
cacgacagca aggtggagcc catcaagcgg tatgggaacc attttctttt aagctgctca     240
aagatcttaa agcagctgtt ggtcagtatg gtcccaattc gcctttcatc cgatcgctat     300
tgcaatctgt ggctcagaat aagctattga ctccgtgtga ttgggagatt ttaacgaaag     360
ttacactttc gccctcccaa tttcttcagt ttaagacttg gtggaccgac gaggctcaaa.     420
atcaagatcg aaaaaaccgt gctgctaatc ctgctattgc cattacattt gaacaacttc     480
taggaatagg gggtcaatgg ggaactgtaa acaaccatca ggacttcgag atgatgccat     540
tgaacaaatt cgcaattgct gtttgagggc atgggagaaa attcaggatc tgggaactac     600
ttatcagtct tttaattcta ttagacaagg ctcaaaggaa ccatatcctg atttcattgc     660
tcgccttcaa gacgcagcac agaaggctct cactgat                               697
```


<210> 807
<211> 381
<212> DNA
<213> Homo sapiens

                                    497

<220>
<221> misc_feature
<222> (1)...(264)
<223> similar to gi3059135 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 807
gagaaaaaca gagagatgct ggacatctta ataaagcatc tggtcaaagt atcactacac   60
agccaacaaa atctcatgac tgtctcaaat cttggtgtca tatttggccc aactctaatg   120
agagcacagg aagaaactgt ggctgctatg atgaatatta aatttcagaa tattgtggta   180
gaaattctga gaggccctat gaaaagattt ttcatactgc tccagaccca agcattcctc   240
ttcctcagcc tcagtctcga tctggatcag tatgaacaat attttcatag cgctctatca   300
gaagattttt cctactgctc cagaccccag cattcctgtt cctcagcctt aggctcgatc   360
tggatcccga atgacacgag c   381

<210> 808
<211> 831
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(831)
<223> similar to gi431420 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 808
tggggtttat caggaatgca ctcagctctc agggaatagg gatgtcctcc tctgccaaaa   60
gttggagcag aagaatccac tcactggtga tttctcctgc ccctctggct actccccggt   120
gcacctgtta tcccagatcc acgaggaggg ttacaaccac ctggagtgtc atcgaaagtg   180
cactctcctc gtcttctgca agaccgtgtg tgaagatgtg ttccaggtgg caaaagctga   240
atttagggct ttttggtgtg tggccagcag ccaagtacct gaaaactcag gactgctttt   300
tgggggcctc ttcagcagca agagcataaa ccccatgaca aatgcacagt catgcccagc   360
cggctacttt ccactgagac tctttgaaaa cctcaaggta tgtgtttctc aggactatga   420
gttgggaagc aggtttgcgg tcccctttgg cgggttcttt agctgcacag ttgggaaccc   480
cctggtagat cctgctatat ccagagattt aggggcactg tctctgaaaa agtgccccgg   540
gggcttcagc cagcacccag ccctcatcag cgatggatgc caagtgtcct attgcgtcaa   600
atccgggctc ttcacaggag ggtccctgcc ccctgccagg ctcccacctt tcacccggcc   660
accctcatg agtcaggctg ccaccaatac tgtcatagtg accaattctg agaatgcgag   720
atcctggatt aaagactccc agacccacca gtggaggctg ggagaaccga tagagctgcg   780
gagggccatg aatgtcatcc atggggatgg tggtggtctg tcaggagggg c   831

<210> 809
<211> 1069
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(801)
<223> similar to gi4378889 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 809
agctggctac tatttggact ctggctgacg ttgatggtga tggacagcta aaagcagaag   60
agtttattct ttgcaatgcc cccttaccgg caatggccaa gctgggcagg cccaatacca   120
ctgactttac ctcctgagct tgttcctcca tctttcagag gaggaaagca aattgattcc   180
attaatggaa ctctggcctt catatcagaa aatgcaagaa gaggagcctc agaagaaatt   240
accagttact tttgaggaca aacggaaagc caactatgag cgagggaaca tggagctgga   300
aaagcgacgc caagccttga tggagcagca acaaagggag gcagaacgta aagcccagaa   360
agaaaaggaa gagtgggaac gaaaacagag agaattacaa gaacaagaat ggaagaaaca   420
acttgaatta gaaaaacgct tagagaagca acgggaattg gagagacaac gagaggaaga   480
aaggagaaaa gacatagaaa gacgagaggc agcaaaacag gaacttgaac gacaacgtcg   540
cttagaatgg gagagaattc ggcgacagga gcttctcaat caaaagaata gagaacaaga   600
agaaattgtc aggttaaact ctaaaaagaa gaatcttcat cttgagttgg aagcactgaa   660
tggcaaacat cagcagatct caggcagact tcaggatgtc cgactcaaaa agcaaactca   720
aaagactgag ctggaagttc tggataagca gtgtgacttg gaaattatgg aaatcaagca   780
acttcaacag gaacttcagg taagtccttc actgctaaat tgttcttaaa catgtacaat   840
taatagttct tctgggctgg gcacggtggc tcacggctgt aatgctagca ctttgggagg   900
ctgaggcggg tggatcccct gaggtcagga gttcgagacc agcccagtca gcagggcaaa   960
accccgtctc tactaaaaat acaaaaaaat tagctgggta tggtggcgca tgcctgtaat   1020
cccagcaact cgggaggctg aggcaggaga atcgcttgat tctgggagg   1069

<210> 810
<211> 334
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(334)
<223> similar to gi2723316 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

<400> 810
ccagtcctca acccttacta cacataagaa agttcatact ggagagaaac gctacagatg   60
tgaagaatct ggcaaagcct ttaagctgcc tctaacctta ctacacataa gataattcac   120
actggagaga aaccctacag atgtagagaa cgtggcaaag cttttaacca cccctcaccc   180
cttttttcac ataagaaaat tcttattgga gagaaaccat acaagtgtgt taaatgtggc   240

499

```
aaagccttca tttcatcctc aacccttatt aaacatgaga taattcatag aaactctaca     300
aatgtgaaga atgtggcaaa attttaactg ttcc                                 334
```

<210> 811
<211> 374
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(364)
<223> similar to gi161970 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 811
cagaactctc tccgctcctc ctttgactcg tgcggagaac tccatccgct cccctctcga      60
ctcctgcagg taactccatc cactcctccc tcaactcctg cgggtaactc tgtccactcc     120
tccctcgact cctgcaggta actcagtcca ctcctccctc gactcctgca ggtaactccg     180
tccgctcctc cctcgactcc tgcgggtaac tccatccgct ctccctcga ctgctgtggg      240
taactccatc cactcctccc tgaactcctt caggtaactc tgtccgctcc tccctcgact     300
cctgcgggta gctccgtcca ctcctccctc gactcctgtg ggtaactccg tccactcctc     360
cctcaactcc tgcg                                                       374
```

<210> 812
<211> 387
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(389)
<223> similar to gi21992 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters

```
<400> 812
tcaacttctc tgcacctcct ccatctgagc cccttccctt ctctgcacct cctccatctg      60
agccccttcc cttctctggg ccgcccccat ctgaccccct tcccttctct gcacctcctc     120
catctgagcc ccttcctttc tctgggcccc ctcctccatc tgagcccctt cccttctctg     180
ggcctccccc atctgacccc ctttccttca ctgcacctcc tccatctgag cctgttcctt     240
tctctgggcc tgctccatct gaccgccttc ccttctttgg acctactaca tctgagcccc     300
ccaatagact gggatgccta ctcaaccaca ccccatatgc ctctccaaga acactccttt     360
gcctgagccc acacgtttgc atcccct                                         387
```